Product Guide

Volume 5

Martin

Contents

Martin Professional

Martin is at heart, a large group of highly skilled individuals, united in their passion to find the most innovative entertainment and architectural lighting solutions.

That passion is reflected in our mission: to light up the world the intelligent way.

Martin prides itself on the level of excellence it engineers into every product. This quality is reflected in factors such as reduced operation and maintenance costs, high efficiency in lamp performance, and second-to-none product durability.

When you buy Martin you invest in fixtures that will maintain their value and performance for years to come.

This product guide takes you through our entire range of entertainment products. You will find here a wealth of useful information intended to give you a brief but comprehensive overview of our entire range.

For further details a series of brochures covering each individual product is available. Contact your nearest dealer for details or view the complete range of products at www.martin.com.

Stig Holst
International Sales Director, Entertainment

Moving Heads

The Basics

Moving heads

The cutting edge of Martin technology is embodied perfectly in the form of the MAC moving head. Moving heads create beam motion by panning and tilting the yoke and body of the fixture. MACs have been designed to provide the very finest lighting effects in the industry.

The MAC series is totally road tested. Major world tours, TV studios and theatrical performances have all used them. The smaller members of the family are also widely used in club and DJ environments.

Digital Lighting

There is a lot of talk about Digital Lighting, Convergence and other hot topics in the lighting industry. As a market leader, Martin Professional is committed to being a major part of the inevitable merging of lighting and video control in the future. As the very first step in this process, we entered the world of Digital media with nothing short of a bang, and in doing so took home the LDI "Product of the Year Projection" award for Maxedia, our Digital Content Creator.

Scanners

Unlike moving heads, scanners create movement by reflecting the light beam off a moving mirror. Because only a small mirror is moved, extremely rapid movements can be created. When the Martin RoboScan was introduced it revolutionized the international lighting industry by making scanners affordable to all.

Martin creates scanners for every size of application and every size of budget. Although scanners are used in a wide variety of applications, their extreme agility and affordability means they are most typically seen in clubs.

Effects

Martin effects are attractive, unique DJ lights that utilize the latest in lighting technology to create impressive, ever-changing effects. They are both affordable and easy to use, adding to their appeal as popular, user-friendly effect lights. All products are totally self-contained units, reacting in time to the music without the need for external control. By combining cutting edge innovation with bright and powerful light output, Martin effects have established themselves as trend setting DJ lighting products.

Color Changers

Martin has been one of the pioneers in the production of color-changing spotlights and has helped make history of the conventional practice of using banks of parcans with manually fitted color gels. With the Martin range of color changers, an entirely new dimension has been added to a lighting designer's repertoire.
The flexible nature of color changers means they can be used in any environment, from DJ´s to top theater productions.

Contents

Modern Production and Quality Control

Martin has assembled a dedicated R&D department of highly trained specialists in the technological field of robotic lighting, speaker systems and smoke machines. Experience and innovative ideas combine in a stimulating setting of high-tech labs equipped with the latest computer-aided design tools. We then challenge our R&D team to design the most innovative products on the market. At Martin Professional the ability to innovate is a concrete indication of our company's vitality.

The continual development of new products at Martin is the result of several other combined influences as well - feedback from our sales force, customers and service department; product research, development and testing; and an analysis of cost effective production. In this way, we always keep the price competitive.

State-of-the-art Production
Martin Professional is the world's most advanced manufacturer of intelligent lighting. It has over 29,500 m2 of manufacturing facilities in northern Denmark, including the ultra-modern Happy Factory, which is a futuristic vision of the way in which intelligent lighting will be produced for the next 50 years.
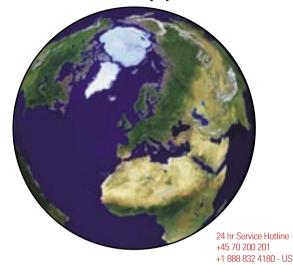
In 2004 Martin's major manufacturing initiative in China continued to grow and broaden its production range deep into the DJ segment. The china factory has enabled Martin to continue to pursue its competitive pricing policy while maintaining the quality and precision of Martin engineering.

Within the five main production plants of Martin, all major parts are produced on-site - from sheet cut to finished product - insuring greater quality control and faster concept-to-completion production.

Quality Control
At Martin, quality is always the main priority. Quality checks for motor, pan and tilt, color, dimmer, as well as a light test of all programs is standard. Processes and standards are continually revised, analyzed and improved to reach the high criteria of quality in every Martin product.

Global Service and Support

24 hr Service Hotline
+45 70 200 201
+1 888 832 4180 - US

Martin's firm commitment to customer service is reflective of Martin's belief that a product is only as good as the people behind it. Therefore, Martin has developed four outstanding service and support functions. Professional users of Martin equipment can have complete confidence that anywhere in the world, at any time, they will receive immediate and highly skilled technical support.

With the 24 Hour Service Hotline, help is only a phone call away. The 24 hour service hotline offers immediate technical support around the clock. Martin users can call the hotline number, day or night, to get advice and support, order spare parts to be express delivered or even request a technician to be sent. (Service Hotline: +45 70 200 201)

The Martin Global Network is a worldwide distributor network of service and support that guarantees worldwide product availability. By welding together our international partners and the world's leading rental and production houses, Martin has created the industry's most complete and capable safety network.

At Martin's Web Site (www.martin.com) all manner of service and support information is available including information on all products, product specifications, on-line service and support contacts, and a list of Martin worldwide distributors. Product upgrades can also be downloaded.

Martin also offers educational programs which ensure that our worldwide distributors maintain a high level of product knowledge to solve troubleshooting, basic repair and maintenance problems. Both technical and applicational issues are addressed with training sessions offered on a frequent basis.

Moving Heads

MAC 2000 Wash

MAC 2000 Profile

MAC 2000 Performance

MAC 600 NT/eNT

MAC 600

MAC 550

MAC 500

MAC 300

MAC 250 Wash

MAC 250 Entour

MAC 250 Krypton

MAC 250+

MiniMAC Wash

MiniMAC Profile

Moving Heads

MAC 2000 Wash
Moving Heads

The MAC 2000 tradition for excellence continues with the MAC 2000 Wash, an automated washlight with an unprecedented light output.

It's a fixture that combines some of the best features of the MAC 2000 and the MAC 600 eNT, together with all the advantages of electronic ballast: flicker-free projection, hot-lamp restrike, reduced weight and noise, and prolonged lamp life.

It also offers a complete range of color possibilities: full CMY color mixing and 2 seperate 4-slot color wheels. An innovative variable color temperature correction system (CTC) is also included.

Fitted with its standard Fresnel lens, the MAC 2000 Wash achieves a zoom range of 14° to 40°. There's also a PC lens included with a zoom range of 12° to 34° and a super wide angle lens that increases the zoom range from 60° to 80°. Variable and smooth dimming, as well as extreme strobe effects are possible via a combined dimmer/shutter. Further design possibilities are created by the option of a motorized barn door system.

But the true uniqueness of the MAC 2000 Wash is its extraordinary light output. At over 32,000 lumens, it is by far the brightest fixture Martin has ever produced.

Designed especially for use in theatrical environments or situations where greater control of the beam is required, Martin has also developed a fully motorized and fully closing set of barndoors for the MAC 2000 Wash

Beam Effects
• Power mode: 12° beam angle and 32,000 lumens

Dimmer/Shutter
• Full range dimming
• Variable speed strobe

Color
• Full CMY color mixing
• 2 motorized color wheels with 4 positions + open
• Variable color temperature correction

Pan/Tilt
• Pan: 540°
• Tilt: 267°
• Automatic pan/tilt correction feedback system

Zoom
• Fresnel Lens 16°-40°. Hyper mode 13°
• PC Lens 13°-37° Hyper mode 12°
• Super-wide-angle lens 79°-95°. Hyper mode 70°

Optics
• Parabolic glass reflector
• 32,000 Lumens

Source
• Lamp: 1200 W short arc discharge
• Base: Double-ended SFc 10-4 with key
• Approved models: Osram HMI 1200 W/S, Philips MSI 1200 W/S
• Control: automatic and remote on/off
• Ballast: Electronic

Control & Programming
• Protocol: USITT DMX-512
• Control Channels: 18 or 20
• Data I/O: locking 3 & 5-pin XLR, pin 1 shield, pin 2 cold (-), pin 3 hot (+)
• Setting and addressing: LED control panel, remote w/ MP-2 uploader
• Pan/tilt resolution: 8 or 16-bit
• Movement control: tracking and vector
• Software installation: serial upload (MUF)

Rigging
• Mounting points: 8 pairs of 1/4-turn locks, offset 45°
• Orientation: Any
• Stands directly on the floor

Measurements
• Length: 408 mm (16.0 in)
• Width: 490 mm (19.3 in)
• Height: 743 mm (29.3 in)
• Weight: 34 kg (14.8 lbs)

Electrical
• AC input: 3 m trailing cable without cord cap
• Operating ranges: 100-130V/200-250V, 50/60Hz

Included items
• 2 x Omega bracket, 1/4-turn
• 1200 W Lamp
• Fresnel lens
• PC lens
• Super wide angle lens
• XLR cable: 5 m, black, 3-pin male/female
• User manual

Accessories
• MP-2 Uploader
• G-clamp
• Half-coupler clamp
• Barn door system: P/N 91611059
• 2 unit flight case for MAC 2000
• The Martin Wife

MAC 2000 Profile
Moving Heads

The first in the MAC 2000 series, the MAC 2000 Profile is a high performance lighting tool for touring, theater and special event applications. Based on input from some of the world's top lighting professionals, the MAC 2000 Series delivers an exceptional combination of extreme power and new projection possibilities.

The MAC 2000 delivers intense, pure light output generated from an HMI 1200-Watt source. An extraordinary, multi-coated, 10-lens optical system provides sharp contrast and consistent beam field characteristics. Full range zoom-to-focus effects are possible.

Two dual rotational and indexible pattern wheels are capable of new and unique effect possibilities. Each wheel houses 5 replaceable pattern effect slots plus open and also features all new gobo designs.

An additional combined color and gobo wheel houses 7 color/gobo positions plus open. All slots are easily replaceable. A separate effect wheel houses a variable frost filter and two rotating/indexing effects: a 3-facet prism and a lenticular beam shaper.

A newly designed CMY color-mixing system offers a nearly unlimited variety of color choices. An innovative color temperature correction (CTC) system provides for effective CTC flexibility making it possible to gradually and smoothly increase or decrease color temperature.

Variable and smooth dimming, as well as extreme strobe effects are possible via a combined dimmer/shutter. For easy adjustment of beam size as well as beam angle, a motorized zoom with a 10 to 28 degree range is included.

Beam Effects
- Iris: 15-100%, open
- Variable frost
- Effect wheel: 2 rotating and indexing positions with 3-facet prism and lenticular beam shaper

Dimmer/Shutter
- Full range dimming
- Variable speed strobe

Gobos
- Fixed Color/Gobo wheel: 7 removable slots
- 16-bit rotating gobo wheel 1: 5 removable gobos
- 16-bit rotating gobo wheel 2: 5 removable gobos
- Gobo rotation: 16-bit, indexible, variable speed and direction

Color
- Full CMY color mixing
- Variable color temperature correction
- Color/gobo wheel: 7 replaceable slots

Pan/Tilt
- Pan: 540°
- Tilt: 267°
- Automatic pan/tilt correction feedback system

Focus
- 2 m (6.5 ft.) to infinity

Zoom
- 10°-28°. Optional 15°-40°

Optics
- 10-lens multi-coated optical system
- 21,000 lumens
- Parabolic glass reflector

Source
- Lamp: 1200 W short arc discharge
- Base: Double-ended SFc 10-4 with key
- Approved models: Osram HMI 1200 W/S, Philips MSI 1200 W/S
- Control: automatic and remote on/off
- Ballast: Electronic & magnetic

Control & Programming
- Protocol: USITT DMX-512
- Control Channels: 20 or 24
- Data I/O: locking 3-pin & 5-pin XLR, pin 1 shield, pin 2 cold (-), pin 3 hot (+)
- Setting and addressing: LED control panel, remote w/ MP-2 uploader
- Pan/tilt resolution: 8 or 16-bit
- Gobo indexing: 8 or 16-bit
- Movement control: tracking and vector
- Software installation: serial upload (MUF)

Rigging
- Mounting points: 8 pairs of 1/4-turn locks, offset 45°
- Orientation: Any
- Stands directly on the floor

Measurements
- Length: 408 mm (16.0 in)
- Width: 490 mm (19.3 in)
- Height: 743 mm (29.3 in)
- Weight:
  Magnetic ballast version: 45 kg (99 lbs)
  Electronic ballast version: 38 kg (84 lbs)

Electrical
- AC input: 3m trailing cable without cord cap
- Operating ranges (electronic ballast): 100-130/200-260 V, 50/60 Hz
- Operating ranges (magnetic ballast): 200-260 V, 50/60 Hz

Included items
- 2 x Omega bracket, 1/4-turn
- 1200 W Lamp
- XLR cable: 5 m, black, 3-pin male/female
- User manual

Accessories
- MP-2 Uploader
- 2 unit flight case for MAC 2000
- G-clamp
- Half-coupler clamp
- The Martin Wife
- Wide Angle Kit
- Woodroffe Gobo Collection

MAC 2000 Performance
Moving Heads

Building on the success of the MAC 2000 Profile, the Performance has been developed for use in theater and television. It incorporates an array of advanced features including a mechanized framing system and gobo animation module.

Framing System
The fully automated, micro-adjusting shutter blade system enables the Performance to project angled shapes with hard and sharp edges. Each blade swivels 62 degrees, and the entire module rotates 90 degrees.

Gobo Animation System
Core to the MAC 2000 Performance is its unique gobo animation system, especially engineered to create animated effects such as rising flames, windswept clouds or driving rain. The entire animation wheel pivots, which frees designers to create complex animations that move in any direction.

Like the successful MAC 2000 Profile, the MAC 2000 Performance incorporates an extra-ordinary 10-lens optical system that produces an extremely bright and sharp beam with high definition contrast and consistent beam field characteristics. The MAC 2000 Performance houses a CMY color-mixing system that offers unlimited coloring, plus an innovative color temperature correction system (CTC).

Other features include a gobo wheel with 5 indexable rotating slots and 16-bit control for extreme accuracy. There is an additional effect wheel with 3 effects (wide angle lens adaptor, 9-facet prism and variable frost). The MAC 2000 Performance also incorporates a fast and precise focus and zoom system. Variable, smooth dimming, as well as strobe effects are also possible with a combined dimmer/shutter.

Furthermore, the MAC 2000 Performance operates at the ultra low noise levels demanded by theaters and TV studios. It has electronic ballast that provides flicker-free operation and an economic power-saving mode. The MAC 2000 delivers intense, pure light output generated from an HMI 1200-Watt source.

Beam Effects
- Motorized iris
- Variable frost
- Wide angle lens increases zoom range to 15° - 40°
- 9-facet prism for wash effect
- Four-blade framing system: Blade tilting +/- 31°, frame rotation +/- 45°

Dimmer/Shutter
- Full range dimming
- Variable speed strobe

Gobos
- Gobo wheel: 5 rotating and indexable slots
- Gobo animation wheel: vertical, horizontal, or angled animation effects

Color
- Full CMY color mixing
- Variable color temperature correction

Pan/Tilt
- Pan: 540°
- Tilt: 267°
- Automatic pan/tilt correction feedback system

Focus
- 2 m (6.5 ft.) to infinity

Zoom
- 10° - 28° / 15° - 40°

Optics
- 10 lens multi-coated optical system
- 21,000 lumens
- Parabolic glass reflector

Source
- Lamp: 1200 W short arc discharge
- Base: Double-ended SFc 10-4 with key
- Approved models: Osram HMI 1200 W/S, Philips MSI 1200 W/S
- Control: automatic and remote on/off
- Ballast: Electronic

Control & Programming
- Protocol: USITT DMX-512
- Control Channels: 28 or 31
- Data I/O: locking 3-pin & 5-pin XLR, pin 1 shield, pin 2 cold (-), pin 3 hot (+)
- Setting and addressing: LED control panel, remote w/ MP-2 uploader
- Pan/tilt resolution: 8 or 16-bit
- Gobo indexing: 8 or 16-bit
- Movement control: tracking and vector
- Software installation: serial upload (MUF)

Rigging
- Mounting points: 8 pairs of 1/ locks, offset 45°
- Orientation: Any
- Stands directly on the floor

Measurements
- Length: 408 mm (16.0 in)
- Width: 490 mm (19.3 in)
- Height: 743 mm (29.3 in)
- Weight: 39.5 kg (87 lbs)

Electrical
- AC input: 3 m trailing cable without cord cap
- Operating ranges: 100-130V/200-250V, 50/60Hz

Included items
- 2 x Omega bracket, 1/4-turn
- 1200 W Lamp
- XLR cable: 5 m, black, 3-pin male/female
- User manual
- Realistic stars gobo (E size)
- Cloud gobo (E size)
- Radial breakup gobo animation wheel (installed)
- Cloud breakup animation wheel
- Dot breakup animation wheel
- Tangential breakup animation wheel
- Spiral breakup animation wheel

Accessories
- MP-2 Uploader
- G-clamp
- Half-coupler clamp
- 2 unit flight case for MAC 2000
- The Martin Wife

MAC 600 NT/eNT
Moving Heads

The MAC 600 NT/eNT is a new version of the successful MAC 600 washlight. It is a precision driven, yoke mounted washlight featuring a newly designed CMY color mixing system which creates virtually unlimited shades and color choices. The new color mixing system offers even smoother, enhanced, uniform color mixing.

A new and innovative color temperature correction (CTC) system, color wheel with 4 replaceable color slots, variable frost for zoom effect capabilities and a beam shaping system make the MAC 600 NT and eNT even more capable wash luminaires.

There are four focal options available - 18° near angle, 25° standard, 65° diffusion and 80° super wide angle which can be interchanged quickly and easily. A separate mechanical shutter allows for variable strobe rates of up to 8 Hz, and a specially coated aluminum dimmer controls intensity from full open to blackout with microstep smoothness.

A 575W discharge lamp provides up to 3000 hours of lamp life and an advanced optical system creates a bright but gentle light beam with a soft, undefined edge.

Used in a variety of environments - wherever dynamic color wash projection is needed, the MAC 600 eNT has been specially engineered to operate at the ultra-low noise levels demanded by theater and television. Its electronic ballast provides it with flicker free operation and an economic power-saving mode. This saves energy, prolongs lamp-life, and reduces overall weight and noise emission.

The MAC 600 NT and eNT offer 440° of pan and 306° of tilt with fast, instant and smooth movement. Additionally, multi-attachment points for easy rigging and handling make them user-friendly and reliable touring lights.

Beam Effects
- Beam-shaping filter
- Variable frost filter for zoom effect

Dimmer/Shutter
- Separate mechanical dimmer and shutter
- Full range, microstep-driven dimming
- Variable strobe up to 8 Hz

Color
- Variable color temperature correction system (CTC)
- Full CMY color mixing
- Motorized color wheel with replaceable red, green, blue and UV dichroic filters

Pan/Tilt
- Pan: 440°
- Tilt: 306°
- Automatic pan/tilt correction feedback system

Focus
- Fixed-focus, soft-edge beam

Optics
- 21,500 lumens
- 25° Fresnel lens, standard
- 18° Near angle lens
- 65° Diffusion lens
- 80° Super wide angle lens
- Ellipsoidal glass cold light reflector

Source
- Philips MSR 575/2 (575W, 7200K, 1000 h) lamp
- Philips MSD 575 (575W, 6000K, 2000h) lamp
- Osram HSR 575/2 (575W, 6000K, 1000h) lamp
- Osram HSD 575 (575W, 7000K, 3000h) lamp

Control & Programming
- Protocol: USITT DMX-512
- Control Channels: 11-15
- 4 digit LED control panel
- Data I/O: locking 3-pin XLR pin 1 shield, pin 2 cold (-). pin 3 hot (+)
- Setting and addressing: LED control panel, remote w/MP-2 uploader
- Pan/Tilt resolution: 8 or 16-bit
- Movement control: tracking and vector
- Software installation serial upload (MUF)

Cooling
- Convection cooling / silent fan cooling
- Automatic fan-speed regulation

Rigging
- Mounts in any orientation with 1 or 2 clamps
- Convenient 1/4 turn fastener clamp attachment
- Stands directly on the floor

Measurements
- Size without bracket (L x W x H): 450 x 350 x 610 mm (17.7 x 13.8 x 24 in)
- Weight MAC 600 NT: 31.5 kg (69.3 lbs)
- Weight MAC 600 eNT: 25.4 kg (55.9 lbs)

Electrical, MAC 600 NT
- AC supply: 200/230/245 V, 50 Hz; 208/227 V, 60 Hz
- Power, current consumption: 750 W, 3.4 A @ 230 V

Electrical, MAC 600 eNT
- AC supply: 100/110/120/210/ 220/230/240 V, 50-60 Hz
- Power, current consumption: 690 W, 3.2 A @ 230 V

Included Items
- 575 W Lamp
- 1/4-turn omega bracket, MAC 500/600 (2)
- XLR cable: 5 m, black, 3-pin male/female
- 25° Fresnel Lens
- Sidelight protector (snoot)
- User manual

Accessories/Options
- Flight case for 2 fixtures (also fits MAC 500)
- Outdoor Protection Dome
- 18° narrow angle lens
- 65° wide angle lens
- 80° super wide angle lens
- G-clamp
- Half-coupler
- MP-2 Uploader
- 90 x 90 mm color/diffuser filter holder
- Martin King Dome
- The Martin Wife

Moving Heads

MAC 600
Moving Heads

Along with the MAC 500 profile spot, the MAC 600 washlight is one of the most successful moving heads ever produced. This industry standard luminaire of the performance lighting market is a precision driven, yoke mounted washlight offering 440° of pan and 306° of tilt with fast, instant and smooth movement.

A 575W lamp and advanced optical system create a bright but gentle light beam with a soft, undefined edge - perfect for touring, theater and TV.

Proven durability and multi-attachment points for easy rigging and handling make the MAC 600 a user-friendly and reliable touring light. On the road, the MAC 600 has proven that it can absorb all the punishment a world tour can throw at it.

The MAC 600 incorporates a well proven CMY color mixing system to create virtually unlimited shades and color choices, ensuring ultra-smooth, uniform color mixing. Two combinable beam shaping filters and frost filter give this flexible washlight an unrivalled range of lighting effects.

The MAC 600 is also available with an electronic ballast, providing flicker-free operation as well as an economical standby mode.

Beam Effects
- 2 combinable beam-shaping filters
- Frost filter

Dimmer/Shutter
- Separate mechanical dimmer and shutter
- Full range, microstep-driven dimming
- Variable strobe up to 8 Hz

Color
- Full CMY subtractive color mixing
- Motorized color wheel
- Red, green, and blue dichroic filters
- 5600K/3200K dichroic CTC filter

Pan/Tilt
- Pan: 440°
- Tilt: 306°
- Automatic pan/tilt correction feedback system

Focus
- Fixed-focus, soft-edge beam

Optics
- 21,500 lumens
- 25° Fresnel lens, standard
- 18° Near Angle lens
- 65° Diffusion lens
- Ellipsoidal glass cold light reflector

Source
- Philips MSR 575/2 (575 W, 7200K,1000 hr) lamp
- Philips MSD 575 (575W, 6000K, 2000hr) lamp
- Osram HSR 575 (575W, 6000K, 1000hr) lamp
- Osram HSD 575 (575W, 7000K, 3000hr) lamp

Control & Programming
- Protocol: USITT DMX-512
- Control Channels: 10-14
- 4 digit LED control panel
- Data I/O: locking 3-pin XLR pin 1 shield, pin 2 cold (-). pin 3 hot (+)
- Setting and addressing: LED control panel, remote w/MP-2 uploader
- Pan/Tilt resolution: 8 or 16-bit
- Movement control: tracking and vector
- Software installation serial upload (MUF)

Cooling
- Convection cooling//temperature controlled fan cooling
- Automatic fan-speed regulation

Rigging
- Mounts in any orientation with 1 or 2 clamps
- Convenient 1/4 turn fastener clamp attachment
- Stands directly on the floor

Measurements
- Size without bracket (L x W x H): 450 x 350 x 610 mm (17.7 x 13.8 x 24.0 in)
- Weight w/ magnetic ballast: 31.5 kg (69.3 lbs)
- Weight w/ electronic ballast: 25.4 kg (55.9 lbs)

Electrical, Magnetic Ballast Model
- AC supply: 200/230/245 V, 50 Hz; 208/227 V, 60 Hz
- Power, current consumption: 750 W, 3.9 A @ 230 V

Electrical, Electronic Ballast Model
- AC supply: 210/230/250 V, 50-60 Hz
- Power, current consumption: 715 W, 4.3 A @ 230 V

Included Items
- 575 W Lamp
- 1/4-turn omega bracket, MAC 500/600 (2)
- XLR cable: 5 m, black, 3-pin male/female
- 25° Fresnel Lens
- Sidelight protector (snoot)
- User manual

Accessories/Options
- Flight case for 2 fixtures (also fits MAC 500)
- Outdoor Protection Dome
- 18° narrow angle lens
- 65° wide angle lens
- G-clamp
- Half-coupler
- 90 x 90 mm color/diffuser filter holder
- MP-2 Uploader
- Martin King Dome
- The Martin Wife

Moving Heads

MAC 550
Moving Heads

The new MAC 550 features unprecedented illumination for a 400W fixture, astounding graphics and animation, all wrapped within the award winning design of the MAC 2000. With its motorized zoom, new motors and unique gobo animation system, it is a small revolution in the world of quiet, mid-sized fixtures.

The MAC 550's variable motorized zoom and focus expands the beam from $14° – 30°$ with high precision and sharpness. It features a DMX–controlled gobo animation system which is specially engineered to create animated effects such as clouded skies, reflective seas and restless flames.

Able to run in any direction; from horizontal to vertical and everything in between, the MAC 550's animation is ideal for stage and studio use, while also creating a dramatic backdrop for any tour.

Powerful 400W illumination, enhanced by a multi-layered, dichroic reflector, gives the MAC 550 unprecedented optical efficiency. The MAC 550 features two color wheels, each with eight slots plus open.

Glass, textured glass or metal gobos fit within a six-position rotating & indexing gobo wheel, (plus open) and a nine-position static gobo wheel, (plus open). The gobo system permits 16-bit control for extreme accuracy with all gobos easily interchangeable.

A replaceable, bi-directional, 3-facet prism rotates at variable speeds, adding unique effects to gobo projection. A motorized iris allows you to resize the beam quickly for fast effects with smaller beam sizes.

New pan and tilt motors and driver technology give faster-than-ever movement for a mid-sized fixture with a pan movement of 540° and a tilt range of 246°.

The MAC 550 employs an intelligent position correction system, returning the luminare to its original position if accidentally knocked out of place. A multi position tilt lock mechanism has also been added.

A full range dimmer/shutter allows for smooth color and effect transitions. Accelerated strobe effects are possible up to 20 Hz. The MAC 550 also contains head and base temperature sensors to ensure that fan speeds are kept to a minimum; bringing noise levels right down.

Beam Effects
- Fully featured Gobo Animation system giving vertical, horizontal or angled animation effects at variable speed
- Motorized Iris
- Rotating / Indexing 3 facet Prism

Dimmer/Shutter
- Full range dimming
- Variable speed strobe

Color
- 2 Motorized Color Wheels, each fitted with 8 replaceable colours, plus open
- Split colour function
- Continuous 'Rainbow' effect

Pan/Tilt
- Pan: 540°
- Tilt: 246°
- Automatic pan/tilt correction feedback system

Gobos
- 1 Motorized Rotating Gobo wheel, fitted with 6 replaceable gobos, plus open
- 1 Fixed Gobo wheel, fited with 9 replaceable metal gobos, plus open
- Gobo 'Shake' function
- Continuous wheel rotation

Focus
- Motorized focus from 2m to infinity

Zoom
- Variable from 14° to 30°

Optics
- Glass cold light reflector
- 9300 Lumens

Source
- Osram HTI 400W / D3 (400W, 7500K, 750 hr)

Contruction
- Modular, service-friendly construction
- Reinforced composite shell
- Shock-resistant chassis
- Ergonomic carrying handles

Control & Programming
- Protocol: USITT DMX-512
- Control Channels: 21/27
- Data I/O: Locking 3-pin & 5-pin XLR, pin 1 shield, pin 2 cold (-), pin 3 hot (+)
- Setting and Addressing: LED control panel, remote w/ MP-2 Uploader
- Pan / Tilt Resolution: 16 bit
- Gobo Indexing Resolution: 16 bit
- Movement Control: Tracking or Vector
- Software Installation: serial upload (MUF)

Cooling
- Low noise fan cooling

Rigging
- Mounts in any orientation with 1 or 2 clamps
- Convenient 1/4 turn fastener clamp attachment
- Stands directly on the floor

Measurements
- Size without bracket (LxWxH): 363 x 454 x 633mm (14.3 x 17.9 x 24.9 in.)
- Weight: 31 kg (68.2 lbs)

Electrical, Electronic Ballast
- AC Input: 3m trailing cable without cord cap
- Operating ranges: 100-130V/200-250V, 50/60Hz

Included Items
- 400 W Lamp
- Omega Bracket
- XLR cable,5m, black, 3-pin
- User Manual

Accessories/Options
- Additional Gobo Animation Wheels
- Flight case for 2 fixtures
- G-Clamp
- Half coupler clamp
- MP-2 Uploader
- Martin King Dome
- Outdoor Protection Dome
- The Martin Wife

MAC 500
Moving Heads

Simply put, the MAC 500 is one of the most successful moving heads ever. This award-winning, durable and reliable industry standard profile spot can be found on the most prestigious stages and tours around the world and in the largest TV studios as well.

A host of unique internal effects includes two motorized color wheels, one with 9 replaceable color slots, offering a total of 14 dichroic colors and four dichroic CTC filters to yield 67 mixable colors. Added to this are two motorized gobo wheels with five interchangeable indexible rotating gobos and 9 replaceable metal gobo slots.

Beam effects include a motorized iris and a rotating 3-facet prism while a combined microstep-driven dimmer and shutter produce very fast variable strobing and smooth full-range dimming. The MAC 500's achromatic lenses and motorized focus provide a sharp, hard-edged 17° beam. A 23° lens option is available, and switching between the 17° and 23° options is easy.

The MAC 500 is available in both magnetic and electronic ballast versions.

Beam Effects
- Motorized iris
- Rotating 3-facet prism

Dimmer/Shutter
- Combined mechanical dimmer/shutter
- Full range, smooth microstep-driven dimming
- Variable strobe up to 23 Hz

Color
- 2 motorized color wheels
- 9 replaceable color filters
- 14 dichroic color filters
- 4 dichroic CTC filters

Pan/Tilt
- Pan: 440º
- Tilt: 306º
- Automatic pan/tilt correction feedback system

Gobos
- 2 motorized gobo wheels
- 5 replaceable 28 mm rotating indexing gobos
- 9 replaceable 28mm fixed metal gobos

Focus
- Motorized focus 2m to infinity
- 17° maximum focused beam angle
- 23° beam angle option

Optics
- 9000 lumens
- Anti-reflection coated achromatic lenses
- Ellipsoidal aluminum reflector

Source
- Philips MSR 575/2 (575 W, 7200K, 1000 hr) lamp
- Philips MSD 575 (575W, 6000K, 2000hr) lamp
- Osram HSR 575/2 (575W, 6000K, 1000hr) lamp
- Osram HSD 575 (575W, 7000K, 3000hr) lamp

Control & Programming
- Protocol: USITT DMX-512
- Control Channels: 12-16
- 4 digit LED control panel
- Data I/O: locking 3-pin XLR pin 1 shield, pin 2 cold (-). pin 3 hot (+)
- Setting and addressing: LED control panel, remote w/MP-2 uploader
- Pan/Tilt resolution: 8 or 16-bit
- Movement control: tracking and vector
- Software installation serial upload (MUF)

Cooling
- Theater proven silent fan cooling

Rigging
- Mounts in any orientation with 1 or 2 clamps
- Convenient 1/4 turn fastener clamp attachment
- Stands directly on the floor

Measurements
- Size without brackets (L x W x H): 447 x 495 x 673 mm (17.6 x 19.5 x 26.5 in)
- Weight, w/magnetic ballast: 32.8 kg (72.1 lbs)
- Weight, w/electronic ballast: 26.1 kg (57.4 lbs)

Electrical, Magnetic Ballast Model
- AC supply: 200/230/245 V, 50 Hz; 208/227 V, 60 Hz
- Power, current consumption: 780 W, 4.1 A @ 230 V

Electrical, Electronic Ballast Model
- AC supply: 100/110/120/200/210/ 220/230/240 V, 50 Hz - 60 Hz;
- Power, current consumption: 700 W, 3.2 A @ 230 V

Included Items
- 575 W Lamp
- 2 x Omega bracket, MAC 500/600, 1/4-turn
- Extra gobos, MAC 500
- XLR cable, 5 m, black, 3-pin
- User manual

Accessories/Options
- Flight case for 2 fixtures (also fits MAC 600)
- Outdoor Protection Dome
- 23° lens set
- G-clamp
- Half-coupler
- MP-2 Uploader
- Martin King Dome
- Color filters
- The Martin Wife

MAC 300
Moving Heads

The MAC 300 is a compact moving head washlight. Like the MAC 250 series, the MAC 300's unique combination of intelligence, small size and beauty make it an excellent moving head washlight for the club, professional touring and production studio market.

The MAC 300 combines high light output from a 250W discharge lamp (3000 hour lamp life) with a highly effective cooling system and small lamp size. Its Fresnel optical system creates a bright but gentle light beam with a soft, undefined edge - perfect for stage and theater applications. Beam angle is 18° and a simple change of the front lens makes a 59° wide angle beam possible.

The MAC 300 incorporates our own CMY color mixing system to create nearly unlimited shades and color choices. An additional all replaceable 6 slot + open color wheel offers colors that traditionally have been hard to achieve from a CMY system. A UV filter is also included as standard.

Added to this is a variable frost filter which can produce a zoom effect from 18° to 35° with standard lens and 59° to 67° with diffusion lens. The MAC 300 also houses a full range dimmer and fast shutter for quick strobe effects. Additionally, convenient 1/4 turn fasteners provide for easy rigging.

Beam Effects
- Variable frost filter for zoom effect 18° to 35° with standard lens 59° to 67° with diffusion lens

Dimmer/Shutter
- Full range dimming
- Variable strobe up to 14 Hz

Color
- Full CMY color mixing
- Color wheel: 6 replaceable colors + open and split positions

Pan/Tilt
- Pan: 540°
- Tilt: 289°
- Automatic pan/tilt correction feedback system

Optics
- 4800 lumens
- 2 lens options (18° standard Fresnel and 59° diffusion lens), easily replaceable
- Integrated light spill ring
- Soft-edge beam

Control & Programming
- Protocol: USITT DMX-512
- Control Channels: 9-13
- 4 digit LED control panel
- Data I/O: locking 3-pin XLR pin 1 shield, pin 2 cold (-). pin 3 hot (+)
- Setting and addressing: LED control panel, remote w/MP-2 uploader
- Pan/Tilt resolution: 8 or 16-bit
- Movement control: tracking and vector
- Software installation serial upload (MUF)

Source
- Philips MSD 250/2 (250W, 8500K, 3000hr) lamp
- Osram HSD 250 (250W, 6200K 2000hr) lamp

Construction
- Modular, service-friendly construction
- Reinforced composite shell
- Shock-resistant chassis
- Ergonomic carrying handle

Cooling
- Silent fan cooling

Rigging
- Mounts in any orientation with 1 or 2 clamps
- Convenient 1/4-turn fastener clamp attachment
- Stands directly on the floor

Measurements
- Size without bracket (L x W x H) 330 x 384 x 536 mm (13 x 15.1 x 21.1 in)
- Weight: 19.9 kg (43.9 lbs)

Electrical
- AC input: 3-pin IEC male socket
- Wiring options: 100/120/210/230/250 V, 50/60 Hz
- Power - current consumption: 330 W, 3.1 A @ 120 V 330 W, 1.6 A @ 230 V

Included items
- 250 W Lamp
- Omega bracket, MAC 250/300, 1/4-turn:
- XLR cable, 5 m, black, 3-pin:
- Mains cable, 3 m, IEC 3-pin:
- User manual

Accessories
- Flight case for 2 fixtures (also fits MAC 250/250+)
- G-clamp
- Half-coupler clamp
- Color filters
- MP-2 Uploader
- Martin King dome
- Outdoor protection dome
- The Martin Wife

MAC 250 Wash
Moving Heads

The new MAC 250 Wash is equipped with remarkably efficient reflector technology for greater output, extraordinarily fast and quiet movement, a variable frost filter for zoom effect and a CMY color mixing system with a complimenting color wheel. Sporting the award winning traits of the MAC family, the 250 Wash features user friendly modularity and the sleek exterior design of the new 250 range.

An extremely effective, multi-layered, dichroic reflector gives the MAC 250 Wash an exceptional output – surpassing its competitive peers using condenser based optical systems.

A CMY (cyan, magenta, yellow) color mixing system provides nearly unlimited color choices while a separate 6 slot plus open color wheel compliments with color correction and other filters. All color slots are replaceable and split colors are possible.

The MAC 250 Wash splashes out light onto a wide area (18°- 35°) with the greatest uniformity of coverage. A simple change of the front lens makes wide beam angles possible. The 59° diffuser lens gives a wide beam angle range of 59°- 67°.

Using the latest fan technology the MAC 250 Wash is an exceptionally quiet fixture. The head and base contain temperature sensors to ensure that fan speeds are kept to a minimum; bringing noise levels right down to suit theater and TV studio applications.

Zoom effect possibilities are provided by a variable frost filter.

The MAC 250 Wash has remarkable speed of movement, paralleled with the new 250 family to ensure a well choreographed show both on stage and truss.

An enhanced high resolution dimming system similar to the MAC 2000 provides remarkably smooth and even dimming, while a fast 20 Hz shutter for strobe effect is standard.

A multi position, tilt lock mechanism is featured to permit easy maintenance and handling.

Beam Effects
• Variable frost filter for beam softening and zoom effect

Dimmer/Shutter
• Full range dimming
• Variable speed flash rate, up to 20 Hz.

Color
• Full Cyan, Magenta, Yellow color mixing
• Additional 6 slot, plus open color wheel with replaceable filters

Pan/Tilt
• 540° Pan
• 264° Tilt
• Automatic Pan/Tilt correction feedback system

Optics
• 6800 lumens
• 18° beam angle with standard lens, 35° combined with frost filter
• Optional Wide Angle lens of 59°, 67° combined with frost filter
• Glass dichroic reflector

Control & Programming:
• Protocol: USITT DMX-512 (1990)
• Control channels: 13 (16-bit mode) or 19 (16-bit Extended mode)
• Data I/O: Locking 3-pin and 5-pin XLR male / female sockets
• Data pinout: Pin 1 shield, pin 2 cold (-), pin 3 hot (+)
• Setting and Addressing: LED control panel or remote w/ MP-2 Uploader
• Pan/Tilt resolution: 16 Bit
• Movement Control: Tracking and Vector
• Receiver: Opto-isolated RS 485
• Software installation: serial upload (MUF)

Source:
• Philips MSD 250/2 (3000 hr, 8500K, 250 W)
• Osram HSD 250/78 (3000 hr, 7800K, 250 W)
• GE CSD 250/2 (2000 hr. 8500K, 250 W)

Construction:
• UV resistant fiber reinforced composite
• IP 20 rating

Rigging:
• Mounts in any orientation with one or two clamps

Measurements
• Size Without Brackets (LxWxH) 315 x 393 x 538 mm (12.4 x 15.5 x 21.2 in)
• Weight: 22.9 kg (50.4 lbs)

Electrical
• AC input: 3-prong IEC male socket Wiring Options: 100/120/210/230/250 V, 50/60 Hz
• Power – current consumption: 314 W, 2.7 A @ 120V / 60 Hz 323 W, 1.6 A @ 230V / 50 Hz

Included Items
• Philips MSD 250/2 lamp (installed)
• T-Omega bracket, MAC 250/300 1/4-turn
• XLR cable, 5 m (16.4 ft), black, 3-pin
• Mains cable, 3 m (9.8 ft), IEC 3-pin
• User manual

Accessories
• 59° Wide Angle lens
• Quick Trigger G-clamp
• Half-coupler clamp
• MP-2 Uploader
• Flight case for 2 fixtures (Also fits MAC250 Entour & MAC250 Krypton)

Moving Heads

MAC 250 Entour
Moving Heads

The MAC 250 Entour includes all the features of the MAC 250 Krypton plus a number of added features, including a new achromatic lens system and additional gobo wheel. The enhanced optical system produces unsurpassed quality imaging, which together with the added array of graphical effects, make the Entour an even more powerful lighting tool. By achieving new standards in light output and image quality, the Entour is ideal for environments where powerful effects are required like stage, studio and event applications.

In the MAC 250 Entour, a new 17-degree achromatic lens system produces razor sharp picture quality. A narrow angle 14-degree lens is also included with the Entour for longer projection throws.

For completely fresh graphical looks, a newly designed rotating and indexing gobo wheel offers a new selection of replaceable metal and dichroic gobos. The 16-bit precision gobo wheel houses 7 slots plus open. Gobo changes are fast and easy. The Entour houses an additional fixed gobo wheel with 10 replaceable metal gobos for an even wider range of graphical effects possibilities. Also included with the Entour are a series of beam reduction gobos for easy adjustment of beam size. Rich color shades are provided from a motorized color wheel housing 12 dichroic color filters plus open with split position possibilities. All color filters are replaceable, and with a wide variety of optional colors available, designers can customize the palette to fit their needs.

The MAC 2000 inspired modular housing not only looks good, it makes service and maintenance simple with fast access to modules and critical components. It comes in black, white or titanium finish. A fast, full range dimmer/shutter allows for smooth color and effect transitions. Strobe effects are possible up to 20 Hz. A bi-directional, 3-facet prism rotates at variable speeds, adding unique effects to gobo projection. The prism can also be replaced to give an added customizable feature. The unit is also equipped with a remote focus for additional effect possibilities, as well as various preset patterns for valuable programming timesavings.

The latest in pan and tilt motor technology produces both smooth and ultra-rapid movement, making the new MAC 250 fixtures the fastest moving heads that Martin has ever produced. Movement range is 540° of pan x 257° of tilt. If knocked out of position, a high-speed, automatic reset function realigns the fixture in seconds. The Entour includes two additional features: an easily accessible, multi-position tilt lock eases handling, and a convenient, low noise operation mode is included for noise sensitive studio environments. It also includes a new light sensitive yellow display, as well as 3 and 5 pin XLR connectors for data, and a convenient, easily switchable power supply covering worldwide voltages and frequencies.

Beam Effects
- High speed replacable rotating 3 facet prism

Dimmer/Shutter
- Full range dimming
- Variable speed strobe up to 20Hz

Color
- 1 Motorized Color Wheel, fitted with 12 replaceable colours, plus open
- Split colour function
- Continuous 'Rainbow' effect

Pan/Tilt
- Pan: 540°
- Tilt: 257°
- Automatic Pan/Tilt correction feedback system

Gobos
- 1 Motorized Rotating Gobo wheel, fitted with 7 replaceable gobos, plus open
- 1 Fixed Gobo wheel, fited with 10 replaceable metal gobos, plus open
- Gobo 'Shake' function
- Continuous wheel rotation

Focus
- Motorized focus from 2m to infinity

Optics
- 4600 lumens
- Glass cold light reflector
- 17° lens fitted
- 14° narow angle lens option included

Source
- Philips MSD 250/2 (250W, 9000K, 3000hr) lamp
- Osram HSD 250/78 (250W, 7800K, 3000hr) lamp

Contructions
- Modular, service-friendly construction
- Reinforced composite shell
- Shock-resistant chassis
- Ergonomic carrying handles

Control & Programming
- Protocol: USITT DMX-512
- Control Channels: 15/19
- Data I/O: Locking 3-pin & 5-pin XLR, pin 1 shield, pin 2 cold (-), pin 3 hot (+)
- Setting and Addressing: LED control panel, remote w/ MP-2 Uploader
- Pan / Tilt Resolution: 16 bit
- Gobo Indexing Resolution: 16 bit
- Movement Control: Tracking or Vector
- Software Installation: serial upload (MUF)

Cooling
- Low noise cooling
- Fan speed regulation mode

Rigging
- Mounts in any orientation with 1 or 2 clamps
- Convenient 1/4 turn fastener clamp attachment
- Stands directly on the floor

Measurements
- Size: (LxWxH): 393 x 315 x 538 mm (14.8 x 12.4 x 21.2 in)
- Weight: 22.4 kg (49 lbs)

Electrical
- AC input: 3-prong IEC male socket
- Power supply options: 100/ 120/ 210/ 230/ 250V, 50/ 60Hz., switch selectable
- Power consumption: 323W, 1.6A @ 230V / 50Hz.

Included items
- 250 W Lamp
- 14 degree lens option
- T-Omega Bracket
- XLR cable,5m, black, 3-pin
- Mains cable, 3m, IEC 3 pin
- User Manual

Accessories
- Flight case for 2 fixtures (also fits MAC250 Wash & MAC 250 Krypton)
- G-Clamp
- Half coupler clamp
- MP-2 Uploader
- Martin King Dome
- Outdoor Protection Dome
- The Martin Wife

Moving Heads

MAC 250 Krypton
Moving Heads

Ground breaking is the best way to describe the MAC 250 Krypton. With a solid history of innovation in this market, Martin is pleased to introduce the very latest in technological advances and cool design to bring you the MAC 250 Krypton.

A new and improved glass reflector produces extremely high light output. The multi-layer dichroic reflector minimizes thermal stress and delivers a beautifully even beam. The high precision achromatic lens system maximizes optical efficiency of the included 3000 hour, 250 W Lamp for superb picture quality.

A newly designed rotating and indexing gobo wheel offers a new selection of replaceable metal and dichroic gobos giving the MAC 250 Krypton an original and fresh look. The 16-bit precision gobo wheel houses 7 slots plus open, and the new design makes gobo changes fast and easy. Color is provided from a motorized color wheel housing 12 replaceable dichroic color filters plus open with split position possibilities.

New pan and tilt motor technology produces improved movement, making the new MAC 250 fixtures the fastest moving heads that Martin has ever manufactured - and faster than competitive fixtures. The automatic reset function is ultra fast, realigning the fixture in seconds if knocked out of position.

The design of the MAC 250 Krypton is unashamedly inspired by the larger MAC 2000. Highly efficient, it makes service and maintenance easier with fast access to modules and critical components.

A full range dimmer/shutter is very fast and allows for smooth color and effect transitions by varying the intensity of the light output. Strobe effects are possible up to 20 Hz. A bi-directional, 3-facet prism is smooth and rotates at variable speeds, adding unique effects to gobo projection. The prism can also be replaced giving lighting professionals an added customizable feature. The MAC 250 Krypton is also equipped with a remote focus and various preset patterns.

The Krypton also includes a new light sensitive yellow display, as well as 3 and 5 pin XLR connectors for data, and a convenient, easily switchable power supply covering worldwide voltages and frequencies.

Beam Effects
• High speed replacable rotating 3 facet prism

Dimmer/Shutter
• Full range dimming
• Variable speed strobe up to 20Hz

Color
• 1 Motorized Color Wheel, fitted with 12 replaceable colours, plus open
• Split colour function
• Continuous 'Rainbow' effect

Pan/Tilt
• Pan: 540°
• Tilt: 257°
• Automatic Pan/Tilt correction feedback system

Gobos
• 1 Motorized Rotating Gobo wheel, fitted with 7 replaceable gobos, plus open
• Gobo 'Shake' function
• Continuous wheel rotation

Focus
• Motorized focus from 2m to infinity

Optics
• 4600 lumens
• Glass cold light reflector
• 20.6° beam angle

Source
• Philips MSD 250/2 (250W, 9000K, 3000hr) lamp (included)
• Osram HSD 250/78 (250W, 7800K, 3000hr) lamp
• GE CSD 250/2 (250W, 9000K, 2000hr) lamp

Contruction
• Modular, service-friendly construction
• Reinforced composite shell
• Shock-resistant chassis
• Ergonomic carrying handles

Control & Programming
• Protocol: USITT DMX-512
• Control Channels: 14/17
• Data I/O: Locking 3-pin & 5-pin XLR, pin 1 shield, pin 2 cold (-), pin 3 hot (+)
• Setting and Addressing: LED control panel, remote w/ MP-2 Uploader
• Pan / Tilt Resolution: 16 bit
• Movement Control: Tracking or Vector
• Software Installation: serial upload (MUF)

Cooling
• Low noise cooling

Rigging
• Mounts in any orientation with 1 or 2 clamps
• Convenient 1/4 turn fastener clamp attachment
• Stands directly on the floor

Measurements
• Size: (LxWxH): 393 x 315 x 538 mm (14.8 x 12.4 x 21.2 in)
• Weight: 22.4 kg (49 lbs)

Electrical
• AC input: 3-prong IEC male socket
• Power supply options: 100/ 120/ 210/ 230/ 250V, 50/ 60Hz., switch selectable
• Power consumption: 323W, 1.6A @ 230V / 50Hz.

Included items
• 250W Lamp
• T-Omega Bracket
• XLR cable,5m, black, 3-pin
• Mains cable, 3m, IEC 3 pin
• User Manual

Accessories
• Flight case for 2 fixtures (also fits MAC250 Wash & MAC 250 Entour)
• G-Clamp
• Half coupler clamp
• MP-2 Uploader
• Martin King Dome
• Outdoor Protection Dome
• The Martin Wife

MAC 250+
Moving Heads

This exciting profile spot moving head is a unique combination of intelligence and beauty. Designed as a compact version from the highly successful MAC family, the MAC 250+ has proven to be a perfect moving head effect for the club, professional touring and production studio markets.

Using a 250W MSD lamp (3000 hour lamp life), the MAC 250+ successfully combines high light output with small lamp size. Its highly efficient optical system creates a bright but gentle light beam with achromatic lenses for a precise and sharp edge excellent for punching out mid-air effects or unbeatable projection effects.

A dichroic color wheel offers 12 replaceable color slots with split color possibilities and a motorized gobo wheel contains 8 replaceable and indexable rotating gobos – both glass and metal.

The MAC 250+ has a focused beam angle of 18.3°, 540° of pan and 289° of tilt as well as a highly effective cooling system to increase light efficiency.

Added to this is a smooth rotating 3-facet prism capable of stunningly quick or super slow rotation - and everything in between. The dimmer function is not only smooth but linear, and the shutter allows for ultra fast strobe effects up to 20 Hz. Convenient 1/4 turn fasteners provide easy horizontal or vertical mounting and ceiling or rig/truss mounting is easily accomplished with one or two clamps.

Beam Effects
- High-speed rotating 3-facet prism
- Optional frost in place of prism
- Combined rotating prism/ rotating gobo macros

Dimmer/Shutter
- Full range dimming
- Variable strobe up to 20 Hz
- Preprogrammed variable/ random strobe and dimmer pulse effects

Color
- Continuous rotation color wheel with 12 positions plus open
- 3-speed random color change
- Replaceable Colors

Pan/Tilt
- Pan: 540°
- Tilt: 289°
- Automatic pan/tilt correction feedback system

Gobos
- Continuous rotation gobo wheel with 8 interchangeable, indexible, rotating positions plus open
- Gobo "shake"

Focus
- Motorized focus

Optics
- 3600 lumens
- Highly efficient optical system with precision coated lenses
- 18.3° focused beam angles

Source
- Philips MSD-250/2 (250W, 8500K, 3000hr) lamp
- Osram HSD 250 (250W, 6200K, 2000hr) lamp

Construction
- Modular, service-friendly construction
- Reinforced composite shell
- Shock-resistant chassis
- Ergonomic carrying handles

Control & Programming
- Protocol: USITT DMX-512
- Control Channels: 9-13
- 4 digit LED control panel
- Data I/O: locking 3-pin XLR pin 1 shield, pin 2 cold (-). pin 3 hot (+)
- Setting and addressing: LED control panel, remote w/MP-2 uploader
- Pan/Tilt resolution: 8 or 16-bit
- Movement control: tracking and vector
- Software installation serial upload (MUF)

Cooling
- Silent fan cooling

Rigging
- Mounts in any orientation with 1 or 2 clamps
- Convenient 1/4-turn fastener clamp attachment
- Stands directly on the floor

Measurements
- Size without bracket (L x W x H):330 x 384 x 460 mm (13 x 15 x 18 in)
- Weight: 21kg (46.2 lbs)

Electrical
- AC input: 3-pin IEC male socket
- Wiring options: 100/120/ 210/230/250 V, 50/60 Hz
- Power and current consumption: 330 W, 3.1 A @ 120 V; 330 W, 1.6 A @ 230 V

Included items
- 250 W Lamp
- Omega bracket, MAC 250/300, 1/4-turn:
- XLR cable, 5 m, black, 3-pin:
- Mains cable, 3 m, IEC 3-pin:
- User manual

Accessories
- Flight case for 2 fixtures (also fits MAC 300)
- G-clamp
- Half-coupler clamp
- Color filters
- MP-2 Uploader
- Martin King dome
- Outdoor protection dome
- The Martin Wife

Moving Heads

MiniMAC Wash
Moving Heads

The MiniMAC Wash is an ultra-compact, automated moving head useful in a variety of environments. Stylish yet functional, this single armed washlight emits a bright but gentle light beam with a soft undefined edge for uniform colorwash. Two different spread angle options are available for increased flexibility. It features 12 dichroic color filters for full, rich color projection and a high-speed mechanical shutter can be incorporated for special strobing effects.

The MiniMAC Wash offers precise movement in a range of 540° of pan by 270° of tilt. Its small size and wide range of movement make it ideal for even the smallest settings. Fixture settings are controlled via a 3-digit LED control panel, and a switch-selectable power supply setting gives full flexibility. The MiniMAC Wash offers all the power and daylight characteristics of a bright 150 W discharge source (included) and may be operated via DMX controllers, the Martin MC-1 and MC-X remote controllers, and as a stand-alone unit with master/slave capability.

The MiniMAC Wash is available in white, black or titanium finishes, so that environments from restaurants to discotheques can easily and discreetly integrate its many features.

Shutter
- Separate shutter for instant blackout
- Variable strobe up to 11 Hz
- Fadeable shutter function

Color
- 12 full dichroic colors + open
- Split colors
- Continuous rotation

Optics
- 2600 lumens
- 40° field angle (selectable)
- 23° field angle
- Fixed, soft-edged focus

Movement
- Pan: 540° in 0.013° steps
- Tilt: 270° in 0.007° steps

Source
- Martin Metal Halide 150 discharge lamp: 150 W, 67 lm/W, 2000 hr, 5000 K (Included)
- Osram HTI 150 discharge lamp: 150 W, 67 lm/W, 750 hr, 6500 K
- Control: remote switchable

Construction
- Modular, service-friendly construction
- UV-resistant fiber-reinforced composite housing
- Integrated carrying handle
- Available in black, integral color finish, white color painted or titanium color

Control & Programming
- Control options: DMX MC-1, stand alone, master/slave, on-board programming, MC-X
- Stand-alone trigger options: music, internal timer, MC-1, MC-X
- Setting and addressing: 3-digit LED control panel, remote with MP-2 Uploader
- Software installation: MP-2 Uploader
- DMX speed control: tracking and/or vector
- DMX channels: 4 - 8
- Pan/tilt resolution: 8 or 16 bit

- Mounts in any orientation
- Convenient 1/4-turn fastener clamp attachment
- Stands directly on the floor (rubber feet) painted

Measurements
- LxWxH: 390 x 316 x 415 mm (15.4 x 12.4 x 16.3 in)
- Weight: 11.6 kg (25.5 lbs)

Electrical
- AC input: 3-pin IEC male socket
- Power supply options: 100/120/210/230/250 V, 50/60 Hz (switch-selectable)

Included items
- Mains cable: 3 m, 3-pin IEC
- Data cable: 5 m, black, 3-pin XLR
- Clamp attachment bracket
- Safety cable eye bolt
- User manual

Accessories:
- Flightcase for 2 MiniMACs
- Flush mount bracket
- Pantograph bracket
- MP-2 Uploader

Rigging

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Moving Heads

MiniMAC Profile
Moving Heads

The MiniMAC Profile is a stylish, ultra-compact, automated moving head. This single armed spotlight emits a bright, hard-edged beam perfect for pattern projection. It features 12 dichroic color filters for full, rich color projection and includes a high-speed mechanical shutter for strobing effects. Furthermore it offers 7 rotating, easily interchangeable gobos for a wide variety of pattern projection.

The MiniMAC Profile offers precise movement in a range of 540° of pan by 270° of tilt. Fixture settings are controlled via a 3-digit LED control panel, and a switch-selectable power supply setting gives full flexibility. The MiniMAC Profile offers all the power and daylight characteristics of a bright 150 W discharge source (included) and may be operated via DMX controllers, the Martin MC-1 remote controller, or programmed in stand-alone mode with master/slave capability.

The MiniMAC Profile is available in white, black or titanium finishes so that environments from restaurants to discotheques can easily and discreetly integrate its many features.

Shutter
- Separate shutter for instant blackout
- Variable strobe up to 11 Hz
- Fadeable shutter function

Color
- 12 full dichroic colors + open
- Split colors
- Continuous rotation

Gobos
- 7 interchangeable rotating gobos + open
- Comes with 2 glass gobos + 5 metal gobos
- Same size as MAC 250

Optics
- 1950 lumens
- 17° focused beam angle
- Manual focus: 2 m (6.5 ft.) to infinity

Movement
- Pan: 540° in 0.013° steps
- Tilt: 270° in 0.007° steps

Source
- Martin Metal Halide 150 discharge lamp: 150 W, 67 lm/W, 2000 hr, 5000 K (Included)
- Osram HTI 150 discharge lamp: 150 W, 67 lm/W, 750 hr, 6500 K
- Control: remote switchable

Construction
- Modular, service-friendly construction
- UV-resistant fiber-reinforced composite housing
- Integrated carrying handle
- Available in black, integral color finish, white color painted or titanium color painted

Control & Programming
- Control options: DMX, MC-1, stand-alone, master/slave, on-board programming, MC-X
- Stand-alone trigger options: music, internal timer, MC-1, MC-X
- Setting and addressing: 3-digit LED control panel, MP-2 Uploader
- Software installation: MP-2 Uploader
- DMX speed control: tracking and/or vector
- DMX channels: 6 - 10
- Pan/tilt resolution: 8 or 16-bit

Rigging
- Mounts in any orientation
- Convenient 1/4-turn fastener clamp attachment
- Stands directly on the floor (rubber feet)

Measurements
- LxWxH: 390 x 316 x 415 mm (15.4 x 12.4 x 16.3 in)
- Weight: 11.8 kg (26.0 lbs)

Electrical
- AC input: 3-pin IEC male socket
- Power supply options: 100/120/210/230/250 V, 50/60 Hz, switch selectable

Included items
- Martin Metal Halide lamp 150
- Mains cable: 3 m, 3-pin IEC
- Data cable: 5 m, black, 3-pin XLR
- Clamp attachment bracket
- Safety cable eye bolt
- User manual

Accessories
- Flightcase for 2 MiniMACs
- Flush mount bracket
- Pantograph bracket
- MP-2 Uploader

Moving Heads

Scanners

RoboScan Pro 918

MX-10 Extreme

MX-4

MX-1

Mania SCX 500

RoboScan Pro 918
Scanners

Compact yet powerful, the flexible RoboScan Pro 918 is one of the brightest scanners in its class on the market today. Its versatility has proved valuable in a wide variety of environments and indeed has applications in all professional lighting markets.

Utilizing the features and power of the highly successful MAC 500 moving head, Martin has developed a powerful MSR-575 source scanner housed in a compact and attractive design. The Pro 918's 8550 lumens of total output rivals that of 1200 watt scanners.

A compact and functional design combines with ultra fast mirror movement, two motorized color wheels - each with nine positions plus open - and easily interchangeable rotating gobos and color filters to offer a devastating effects package capable of more than 67 color combinations - all at your fingertips! Its radical optical system and achromatic lenses provide a bright, precise beam for razor-sharp effects.

A revolutionary new adjustable rigging bracket featuring an infinite number of positions provides lighting designers more flexibility in design (ie. floor stand, vertical or matrix hanging positions) as well as easier rigging for stage crews.

Beam Effects
- Motorized iris
- Motorized focus
- Rotating 3-facet prism
- Variable/random pulsating dimmer
- Combined rotating prism/ gobo macros

Dimmer/Shutter
- Full range dimming
- Variable/random strobe up to 23 Hz

Color
- 2 motorized color wheels - 9 positions plus open(each)
- Replaceable color filters on wheel no. 1
- Random color change
- Select all 67 color combinations on one fader

Pan/Tilt
- Pan: 180°
- Tilt: 72°
- 197° x 89° of coverage @ 17° beam angle
- 203° x 95° of coverage @ 23.5° beam angle

Gobos
- Rotating, replaceable and indexible gobo wheel - 5 positions plus open
- Static replaceable gobo wheel - 9 positions plus open

Focus
- 2 m (6.5 ft.) to infinity

Optics
- 17° beam angle, standard
- 23.5° option available
- 8550 lumens
- Anti-reflection coated achromatic lenses

Source
- Philips MSR 575/2 (575W, 7200K, 1000hr) lamp (included)
- Philips MSD 575 (575W, 6000K, 2000 hr) lamp,
- Osram HSR 575/2 (575W, 6000K, 1000 hr) lamp
- Osram HSD 575 (575W, 7000K, 3000 hr) lamp

- Protocol: USITT DMX-512
- Control Channels: 12-16
- Data I/O: locking 3-pin & 5-pin XLR, pin 1 shield, pin 2 cold (-), pin 3 hot (+)
- Setting and addressing: LED control panel, remote w/ MP-2 uploader
- Pan/tilt resolution: 8 or 16-bit
- Movement control: tracking and vector
- Software installation: serial upload (MUF)

Cooling
- Silent fan cooling

Measurements
- Size without bracket (LxWxH): 795 x 330 x 308 mm (31.3 x 13.0 x 12.1 in)
- Weight (EU version): 34 kg (75 lbs) (US version): 36.5 kg (80.3 lbs)

Electrical
- Voltages (EU version): 200/230/245 V, 50 Hz; 208/227 V, 60 Hz;
- Voltages (US/Japan version): 100/120/230 V, 50/60 Hz; 245 V, 50 Hz;
- Consumption: 695 W, 3.8 A @ 230 V

Included Items
- 575W Lamp
- Mains cable (EU model): 3 m,
- IEC 3-pin
- Extra gobos for Pro 918
- XLR cable: 5 m, black, 3-pin
- User manual

Accessories
- MP-2 Uploader
- Single unit flight case
- Double unit flight case
- G-clamp
- Half-coupler clamp
- Frost filter for MAC 500/RS 918
- The Martin Wife

Approvals
- CE, ETL, CETL

MX-10 Extreme
Scanners

MX-10 – THE EXTREME ENERGIZER
The MX-10 takes a dancefloor classic and reloads it with a powerful infusion of engineering excellence and design, creating a versatile tool for a huge range of applications.

Extreme output
The latest in Martin's popular MX series, this high-octane performer wields unrivalled brightness in a 250-watt package. A complete optical redesign achieves superb picture quality along with maximum optical efficiency. A multi-layer dichroic reflector minimizes thermal stress and delivers a beautifully even beam with smooth color distribution.

Smooth fast performance
The MX-10 breaks new ground in speed and smoothness. Advanced new motor technology has resulted in improved, faster movements across all functions: pan and tilt, color and gobo rotation, prism and shutters.

Graphical effects
To provide you with an unlimited source of effects, MX-10 houses 12 replaceable colors with split color possibilities, 8 rotating gobo patterns, and a rotating, 3-facet prism for more creative effects.

Endless adaptability
For added flexibility, prisms, gobos and colors are all replaceable, so that MX-10 can be tailored to a wide variety of environments.

Easy maintenance and low noise formula
A combination of mechanical and design factors coincide to reduce noise emission to the comfortable levels demanded by theatres and studios. Easy access to lamp and parts make MX-10 fast to clean and service.

Beam Effects
- High speed replaceable rotating 3 facet prism

Dimmer/Shutter
- Full range dimming
- Variable speed strobe

Color
- 1 motorized color wheel, fitted with 12 interchangeable colors, plus open
- Split color function
- Continuous 'Rainbow' effect

Pan/Tilt
- Pan: 230°
- Tilt: 75°
- 16 bit control

Gobos
- 1 motorized rotating gobo wheel, fitted with 8 interchangeable indexed- rotating gobos, plus open
- Gobo 'Shake' function
- Continuous wheel rotation

Focus
- Motorized focus from 2m to infinity

Optics
- 3800 lumens
- Glass cold light reflector
- 18° beam angle

Source
- Philips MSD 250/2 (250W, 9000K, 3000hr) lamp (included)
- Osram HSD 250/78 (250W, 7800K, 3000hr) lamp
- GE CSD 250/2 (250W, 9000K, 2000hr) lamp"

Construction
- Modular, service-friendly construction
- Reinforced composite shell
- Shock-resistant chassis
- Carrying handles

Control
- Protocol: USITT DMX-512
- Control Channels: 13
- Data I/O: Locking 3-pin XLR, pin 1 shield, pin 2 cold (-), pin 3 hot (+)
- Setting and Addressing: LED control panel
- Pan/Tilt Resolution: 16 bit
- Movement Control: Tracking or Vector
- Software Installation: serial upload (MUF)

Cooling
- Low noise cooling

Rigging
- Mounts in any orientation with 1 clamp
- Stands directly on the floor

Measurements
- Size: (LxWxH): 735 x 347 x 315 mm (29.0 x 13.4 x 12.4 in)
- Weight: 22 kg (48.4 lbs)

Electrical
- AC input: 3-prong IEC male socket
- Power supply options: 100/ 120/ 210/ 230/ 250V, 50/ 60Hz., switch selectable
- Power consumption: 360W, 1.8A @ 230V / 50Hz.

Included Items
- Philips MSD 250/2 lamp
- Mains cable, 3m, IEC 3 pin
- User Manual

Accessories/Options
- 5 facet prism
- 9 facet prism
- Flightcase for 2 fixtures
- G-Clamp
- Half coupler clamp
- MP-2 Uploader

Approvals
- CE, ETL, CETL

MX - 4
Scanners

Life on the cutting edge dance scene demands cutting edge products. The MX-4 is a powerful big brother to the MX-1, a stylish scanner with a bright 150-watt, 6000-hour discharge lamp, offering an abundance of power for today's cutting edge DJ's. It is ideal for use in larger disco and club environments.

The MX-4 offers not only a revolutionary trend-setting design, but increased effect possibilities with an expanded arsenal of color and pattern combinations. It provides individual color / gobo wheels (19 gobos, 15 colors/2 split colors + open white) and an ultra-fast shutter has been added for extreme strobing effects.

Control comes via any standard DMX 512 controller, functions totally self-contained, reacting in time with the music or operates in stand-alone mode, without the need for external control signals. It is extremely compatible with the new Martin MC-1 controller.

The MX series of scanners originates from the same quality R&D department respon-sible for the popular line of Martin moving heads.

Beam Effects
• 19 gobos + open + blackout

Shutter
• Separate shutter, strobes from 1.5 to 13.5Hz

Colors
• 15 dichroic colors + 2 dichroic color splits + open white

Pan/Tilt
• Microstep driven elliptic mirror
• Pan: 230°
• Tilt: 76.5°

Focus
• Manual focus
• 16° focused beam angle

Source
• Included Phillips CDM 150W, 6000 h, 85 Lm/W, 4000K
• Optional GE Arcstream, 150W, 6000 h, 77 Lm/W, 4000K

Control & Programming
• Control via DMX-512 protocol
• Programmable: 6/1 channel DMX controlled
• Martin 2518 DMX controller or MC-1 controller (direct access for "single fader operation")

Stand alone modes
• Stand-alone w/music trigger
• Stand-alone w/auto trigger
• Master/slave mode
• Single fader operation

Cooling
• High speed fan cooling

Special dip-switch settings
• Wide/narrow movements
• Econo-mode to extend lamp life
• Invert pan
• Invert tilt
• Invert color/gobo wheel
• Invert, randomize color/gobo wheel
• Slow movement

Measurements
• Size without standard bracket (L x W x H): 533 x 267 x 263 mm (21 x 10.5 x 10.4 in)
• Weight: 8.8 kg (19.4 lbs)

Electrical
• AC Supply
• 110 / 120 / 210 / 230 / 250 V
• 50-60 Hz
• Power, current consumpton: 190 W, 1.0A @ 230V

Approvals
• CE, ETL, CETL

MX - 1
Scanners

With the introduction of the MX-1, the first in the MX series, scanner design has entered a whole new phase of style and compactness. It adds a new dimension in design to the DJ and club market, discotheques, pubs and small to medium-size venues.

The MX-1 features a bright 250W halogen lamp and combined color/gobo wheel (18 gobos, 10 colors/3 split colors + 5 white). Other cutting edge features include 230° of pan for a wider range of motion, a very smooth digital dimmer (0-100%) and more - all at an affordable price!

All these features don't mean added bulk and weight however. On the contrary, this scanner's light weight makes for easy handling. In addition, the unit is easily serviced.

The MX-1 can be controlled via any standard DMX 512 controller, function totally self-contained, reacting in time with the music; or operate in stand-alone mode, without the need for external control signals. It is extremely compatible with the new Martin MC-1 controller.

The MX series of scanners originates from the same quality R&D department responsible for

Beam Effects
- 18 gobos + open + blackout
- 11 dichroic colors + 3 dichroic color splits + 5 white + open + blackout
- Shutter on color/gobo wheel
- Variable strobe on color/gobo wheel

Dimmer
- Digital dimmer (0-100%)

Pan/Tilt
- Microstep driven elliptic mirror
- Pan: 230°
- Tilt: 76.5°

Focus
- Manual focus
- 16 degree focused beam angle

Source
- Philips ELC, 24 V / 250 W, long life halogen lamp (included)
- Osram ELC, 24 V / 250 W, long life halogen lamp
- Osram ELC, 24 V / 250 W, 50 hour halogen lamp

Control & Programming
- Control via DMX-512 protocol
- Programmable: 6/1 channel DMX con trolled
- Martin 2518 DMX or MC-1 controller (direct access for "single fader operation")

Stand alone modes
- Music trig mode
- Auto trig mode
- Master/slave mode
- Single fader operation

Special dip-switch settings
- Wide/narrow movements
- Econo-mode; reduced power to extend lamp life and reduce power consumption
- Invert pan
- Invert tilt
- Invert color/gobo wheel
- Randomized color/gobo wheel
- Slow movement

Cooling
- Fan cooling (high speed)

Measurements
- Size without standard bracket (L x W x H)
  533 x 267 x 263 mm
  (21 x 10.5 x 10.4 in)
- Weight: 6 kg (13.2 lbs)

Electrical
- AC supply
- "EU" model:230/245 volt, 50-60 Hz
- "US" model:110/120 volt, 50-60 Hz
- Power, current consumpton: 265 W, 1.2A @ 230V

Approvals
- CE, ETL, CETL

Mania SCX 500
Scanners

The SCX500 is the extraordinary new 150W halogen scanner in the Mania series that challenges the status quo of mobile scanners.

Compact and light for such a powerful and feature-rich light, the SCX500 is built tough for life on the road, with total safety approvals to get you the ticket into any venue.

With 15 gobos plus open, 15 colors including white and 5 mixed colors, the SCX500 powers out shows like the big boys but with all the convenience and savings of its class.

A split color option also adds to the SCX500's array of colors and midair effects that will keep them focused on the show, whatever the occasion.

Combine this performance with the unmatched value *every* fixture in the Mania series has, with at least 500 hours of lamp life — and you are looking at incredible savings over the competition, whose lamps average only 50-200 hours of life.

Source
- 15V / 150 W, long life halogen lamp (included)

Effects
- Separate color and gobo wheel for brilliant effects
- Split color feature for added color capability

Cooling
- High-speed fan cooled - no duty cycle

Control modes
- DMX control, music trigger or stand alone
- Master/slave function

Weight
- 6.7 kg (14.8 lb)

Optics
- Beam angle 15°
- Manual focus

AC Supply
- US:154W, 1.30A@115V, 60 Hz
- EU:154W, 0.66A@230V, 50 Hz

Included Items
- Mains cable
- 5 meter XLR cable
- User manual
- Philips JCR 15V - 150W lamp

Dimensions
- Size without standard bracket (L x W x H): 442 x 138 x 178 mm (17.4 x 5.4 x 7 in)

Approvals
- CE, ETL, CETL

Scanners

Effect Lights

- Atomic
- Atomic Colors
- Wizard Extreme
- Acrobat
- Raptor
- T-Rex
- Ego 01
- Ego 03
- Ego X4
- Ego X5
- Ego X6
- Mania EF1i
- Mania EF2
- Mania EF3
- Mania DC1
- Mania DC2
- Mania DC3
- Mania PR1

Effect Lights

Atomic
Effect Lights

The Atomic 3000 is an ultra-bright, high-impact strobe that delivers an explosive pulse of energy to DJs, clubs, concerts, and theaters. With over 3000 watts of 'atomic' power, a new standard in strobe lighting has been achieved, one that offers a tangible value for money.

As the most versatile and powerful strobe on the market, the Atomic 3000 is a continuously operating strobe light that features a unique blinder effect designed to blow your crowd away.

Intelligent as well as intense, the Atomic 3000 is DMX controllable with both 3 and 5 pin XLR sockets for data connection. It employs a smart, integrated heat control that eliminates the need for cool down time and features energy-saving low or high power options.

Full flexibility is provided for with variable adjustment of flash rate, intensity and duration. The Atomic is also dimmable from 0-100%, and for the ultimate in ease of use, pre-programmed effects such as ramp up/down and random flash are included.

The Detonator

The Atomic Detonator is an optional, dedicated remote control tool for easy command of flash rate and intensity. It includes "blinder effect" and "single flash" detonator buttons as well as a chase/synchronization toggle switch. Easy to set up and operate, the Atomic Detonator

Atomic

Source
- Philips XOP 15-05, 5600 K Xenon lamp 200-260 V
- Philips XOP 7-05, 5600 K Xenon lamp 100-260 V

Optics
- High quality aluminum reflector
- Tempered front glass

Electrical
- Voltage auto detect: 100-260 V, 50-60 Hz

Control
- 1-channel DMX
- 3-channel DMX
- 4-channel DMX incl. special effects
- Stand-alone with selectable flash rate
- Master/slave
- Detonator remote control

Cooling
- Silent temperature-controlled fan cooling

Measurements
- Size (L x W x H)
  245 x 425 x 240 mm
  (9.7 x 16.7 x 9.5 in)
- Weight: 7.5 kg (16.5 lbs)

Accessories
- Multi-unit coupler
- Socket kit for lamp change
- Atomic Detonator remote control

Detonator

Hardware
- Compact metal housing
- 4 buttons and 2 faders
- 3-pin female XLR data out connection
- Power input through XLR connection

Playback facilities:
- Intensity fader 0-100%
- Flash rate fader 0-25 Hz
  (US: 0-30 Hz)
- Blinder effect button with variable intensity
- Chase/sync toggle for use with multiple units

Trig sources
- Run/stop toggle
- Blinder
- Single flash

DC Supply
- Input: 3-pin XLR female socket
- 3-volt supply from master unit through XLR cable

Measurements
- Size (L x W x H)
  142 x 113 x 75 mm
  (5.6 x 4.4 x 3.0 in)
- Weight: 0.7 kg (1.5 lbs)

Included items
- 5-meter 3-pin XLR cable

Approvals
- CE, ETL, CETL

Effect Lights

Atomic Colors
Effect Lights

The new Atomic Colors from Martin wraps your strobe effects in a wealth of color; defining the effect to the moment.

Atomic Colors is a specially designed head which fits onto the front of the Atomic 3000 DMX - allowing up to ten brightly colored strobe and blinder effects.

Creating an array of colored opportunities for your Atomic 3000 DMX, Atomic Colors adds a further creative dimension to the blinder and strobe effects of the most powerful and dynamic strobe light on the market. The Atomic 3000.

Easily attached with quiet running operation, Atomic Colors is an effortless plug and play fixture, directly controlled via DMX.

The Atomic Colors comes with one string containing 10 colors plus clear.   There are three optional strings, (each with 10 colors plus clear), and the possibility of customized color strings.

The Atomic Colors is cable connected to the Atomic 3000 DMX with an external power supply: MPU 02 / MPU 08.

Colors
- 1 gel string included with 10 colors plus clear

Gel strings
- 1 original included

Gel cooling
- 2 fans built in — low noise

Cooling speed
- Multiple speeds
- Gel saver mode
- Action mode
- Monitor mode
- Retain all modes in, on board memory
- Voltage: 24 VDC (+- 10%)
- Power supply switch mode

Measurements
- Size (L x W x H):
  470 x 273 x 102 mm
  (18.5 x 10.7 x 4 in)
  (incl. mounting brackets)
- Weight: 2.5 kg (5.5 lbs) (incl. gel string)
- Front end: 360 mm (L) x 170 mm (W)

Power consumption
- 1 unit (MPU-2 or MPU-8)

Protocol
- USITT DMX 512 (1990): Direct control with DMX. Individual DMX address via display

Addressing
- Digitally, via push buttons (3) and LED display
- Safety wire with snap-hook mounted
- 5 Mtr dedicated color changer cable CQC — XLR 4 pin included

Connectors
- XLR-4 (male) in and XLR-4 (Female) through

Approvals
- CSA, UL, CE

External power supply units for Atomic Colors
- IEC input
- 120-240 V AC 50/60 Hz
- XLR-4 output
- DMX-USITT 1990 protocol
- Opto isolated
- Short Circuit protection
- LED status
- Truss mountable

MPU-02
- For powering 2 units/Colors (daisy)
- Weight: 0,8 Kg
- Measurements: 145 mm x 75 mm (LxW)

MPU-08
- For powering 8 units/Atomic Colors (daisy)
- With truss mountable bracket
- Weight: 1,4 Kg

Material
- Steel: Coated black color

Effect Lights

Wizard Extreme
Effect Lights

The ultimate in club effect lighting just got better!

No other luminaire in the industry can match the magic of the Martin Wizard and now with the Wizard Extreme, stunningly brilliant reflection and wild gobo patterns have been added to push out every ounce of power!

Extreme output
A screaming new reflector captures and throws out the total power of the Wizard Extreme deep into every corner of the night. With at least 20% more output the Wizard Extreme is unmatched in its shinning performance.

Extreme focus
Improved focus control allows you to home in on the exact image you need to relay. Designed for minimal maintenance, the Wizard Extreme houses a high-output 250-watt discharge lamp with a 3000-hour life that guarantees long-lasting performance.

The Cluster Option
A special optional multi-coupler is available to create the meanest centerpiece giving your space a total light and effect bombardment.

Box of Tricks
The Wizard Extreme is DMX-intelligent and features a 7-color wheel, a gobo wheel with 14 stunning patterns (3 dichroic glass gobos) and a separate shutter for fast strobing.

Radical new gobodesign
Pumping new gobo designs keeps the Wizard Extreme planted firmly in the 21st century scene! Flexing both midair and projection effects, the Wizard Extreme covers every angle of the show like no other.

Extreme lamp adjustment

Broadening the Wizard's extraordinary ease of use, the new Wizard Extreme has effortless lamp adjustment located externally, so you need no other tools than the ones you're born with!

Full Power

The Wizard Extreme is powerful enough to fill the largest venues with a dazzling display of effects. A constant swarm of more than 80 color gobo beams creates the biggest explosion of color and light. There's nothing black about this magic.

Source
- Philips MSD 250/2, 3000 hr discharge lamp (included)
- Philips MSD 200, 2000 hr discharge lamp
- Osram HSD 250, 2000 hr discharge lamp

Color Wheel
- 7 solid colors
- 8 split colors
- 2 white
- Continuous color scroll
- Twinkle effect

Gobo Wheel
- 14 gobos including open
- Continuous gobo scroll

Shutter
- Mechanical shutter

Pan and Tilt
- Rotating mirror cylinder
- Pan: 172°
- Tilt: continuous rotation

Focus
- Manual focus

Cooling
- Fan cooled

Control
- 1-channel DMX
- 6-channel DMX
- Extended 8-channel mode
- Stand-alone w/ music trig
- Stand-alone w/ auto trig
- Master/slave

Special Settings
- Invert color wheel
- Invert gobo wheel
- Invert pan/tilt
- Slow movement

AC Supply
- EU: 230/245 V, 50/60 Hz
- US: 110/120 V, 50/60 Hz
- Maximum power and current: 320W, 1.5A @ 230 V
- Maximum power and current: 310W, 2.7A @ 120 V

Measurements
- Size without standard bracket (L x W x H) 552 x 516 208 mm (21.7 x 20.3 x 8.2 in)
- Weight: 14.5 kg (31.9 lbs)

Approvals
- CE, ETL, CETL

Macros
- 12 spectacular macros

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Effect Lights

Acrobat
Effect Lights

The Acrobat is an intelligent and dynamic DJ and disco lighting effect that lives up to its name with a hypnotizing effect of over 50 ever-changing and continuously moving color and gobo beams.

A combination color/gobo wheel, together with a mirrored rotating disc reflector, create an agile beam effect, each beam chasing the other while continuously changing color and gobo pattern. With 18 gobos + open and 11 full dichroic colors + 3 dichroic split colors + 5 white, the Acrobat boasts more features than any other comparable act.

The beams are distributed onto a revolving mirror drum and then, via the advanced pan and tilt feature, cast out in all directions in a stunning burst of color and movement.

The Acrobat contains a 250W halogen lamp with a long life lamp also available. It can be controlled by any standard DMX 512 controller or can be totally self-contained, reacting in time to the music without the need for external control signals. Additionally, simple plug and play capability and low maintenance make the Acrobat an independent dance floor performer.

Beam Effects
- Revolving disc reflector with 14 mirrors
- Revolving mirror drum, pan & tilt feature
- Black out
- Variable strobe effects
- Electronic dimmer 0-100%

Control
- Programmable: 6/1 channel control via DMX 512 protocol
- Optional stand alone modes: Music trig and Auto trig
- Built-in microphone with automatic sensivity adjustment
- Master/slave mode
- Single fader operation

Special Master/Slave dip switch settings:
- Invert pan
- Invert tilt
- Invert color/gobo wheel
- Randomize color/gobo wheel
- Slow movement
- Econo-mode; reduced power to extend lamp life

Colors
- 11 full dichroic colors + 8 dichroic split colors + 4 white

Gobos
- 18 gobos + open

Focus
- Adjustable focus

Source
- Philips ELC, 24 V / 250 W, long life halogen lamp (included)
- Osram ELC, 24 V / 250 W, long life halogen lamp
- Osram ELC, 24 V / 250 W, 50 hour halogen lamp

Cooling
- Fan cooling

Measurements
- Size incl. standard mounting bracket (L x W x H): 490 x 165 x 190 mm (19.3 x 6.5 x 7.5 in)
- Weight: 8 kg (17.5 lbs)

Electrical
- AC supply
- EU/UK model: 230/245 V, 50-60 Hz
- US model:110/120 V, 50-60 Hz
- Power & current consumption: 265W, 1.2A @ 230V

Approval
- CE

Effect Lights

Raptor
Effect Lights

Small and light weight, but deceptively fast and powerful, the Martin Raptor lives up to the wild, aggressive reputation of its Jurassic namesake.

With the Raptor, Martin has given real teeth to the DJ light show. A 3 color rotating triangular prism combines with an effect wheel to provide a mix of psychadelic beam bursts.

More than 70 razor sharp light beams slice through the air, constantly changing color and direction to the intensity of the music. It employs a 250 watt halogen lamp to give unrivalled brightness for a unit of its compact dimensions.

A built-in high speed cooling fan ensures that the Raptor is ready to rip all night long.

Beam Effects
- 9 dynamic beam effects
- 3-color rotating triangular prism
- Faceted rotating parabolic reflector
- Effect wheel

Control
- Sound-activated using built-in microphone

Source
- Philips ELC, 24 V / 250 W, long life halogen lamp (included)
- Osram ELC, 24 V / 250 W, long life halogen lamp
- Osram ELC, 24 V / 250 W, 50 hour halogen lamp

Cooling
- High speed fan

Measurements
- Size without standard bracket (L x W x H) 240 x 400 x 170 mm (9.4 x 15.7 x 6.7 in)
- Weight 6.7 kg (14.7 lbs)

Electrical
- EU/UK model: 230/245 volt, 50-60 Hz
- US model: 110/120 volt, 50-60 Hz
- Power & current consumption; 270W, 1.2A @ 230V/265W, 2.2A @ 120V

Approval
- CE

T - Rex
Effect Lights

An awesome force has evolved…and it's the most dangerous threat yet to lower light forms.

King of its habitat, the T-Rex is the aggressive companion to Martin's other famous predator, the Raptor. Together they form a deadly partnership.

Fast and furious, the T-Rex deploys its unique quad angled mirror to create a devastating salvo of effects: 48 razor sharp light beams slice through the air, changing color and direction to the beat of the music.

And being a cold-blooded monster, the T-Rex remains cool at all times. Its high-speed cooling fan means the T-Rex is ready to party all night long.

Beam effects
- Faceted rotating parabolic reflector
- Quad angled mirror

Control
- Music trig

Color/Gobo
- 11 solid colors
- 4 multi-colors
- 4 white + open
- 19 gobos + open

Source
- Philips ELC, 24 V / 250 W,
  long life halogen lamp (included)
- Osram ELC, 24 V / 250 W,
  long life halogen lamp
- Osram ELC, 24 V / 250 W,
  50 hour halogen lamp

Cooling
- Fan cooled

Measurements
- Size without standard bracket
  (L x W x H)
  490 x 165 x 190 mm
  (19.3 x 6.5 x 7.5 in)
- Weight
  7.5 kg (16.5 lbs)

Electrical
- AC Supply
  EU: 230/245 V, 50-60 Hz
  US: 110/120 V, 50-60 Hz
- Maximum power and current:
  267 W, 1.2A @ 230 V, 50 Hz
  265 W, 2.2A @ 120 V, 60 Hz

Approval
- CE

Ego 01
Effect Lights

The ego 01 is a razor sharp flower effect with original gobos designed to add uniqueness to the DJ light show.

It is part of the ego series which features significant improvements in every area; control, optics, durability handling, safety and design.

The cool, composite design houses a powerful 250-watt, 1,000-hour halogen lamp for superlative optics, and a precise focus adjustment enables super crisp projections. Radical new gobo designs and innovative image effects make the ego series truly unique.

Another unique feature is the ego's 'behavior tuning', a feature that allows DJs to adjust how aggressively the effect reacts to music in trig mode – relaxed, intermediate or quick. Ego operates in either auto or music trig mode. Gobo and rotation speed are also adjustable.

A convenient handle and lens protection ring make for easy transport and handling, and a remote control is also available.

Ego 01 can be tailored to a wide variety of DJ, club and retail applications and joins the other ego version to form a genuine collector range.

Source
- Philips ELC, 24 V / 250 W, long life halogen lamp (included)
- Osram ELC, 24 V / 250 W, long life halogen lamp
- Osram ELC, 24 V / 250 W, 50 hour halogen lamp

Combined Color/Gobo Wheel
- New continuous gobo design
- Color filters glued directly on gobos

Optics
- Precision lens
- Accurate manual focus

Cooling
- Fan cooled - continuous operation with no duty cycle.

Control
- Stand-alone with music trigger
- Stand-alone with auto trigger
- Remote control available (linkable)

Special Settings
- Adjustable idle speed on gobo and rotation
- Adjustable dynamic speed (behavior at trig)
- Upload socket for future software improvements

Measurements
- (L x W x H) 305 x 324 x 180 mm (12 x 12.8 x 7.1 in)
- Weight 3.8 kg (8.4 lbs)

Electrical
- Input: 3-prong IEC male socket
- AC Power: auto-ranging 90-130 V / 200-250 V, 50-60 Hz
- Power - current consumption: 240W, 1A @ 230V 250W, 2.2A @120V

Accessories
- Ego remote control
- Osram ELC-7/X, 24 V / 250 W, 700 hour halogen
- Philips ELC/5H, 24 V / 250 W, 500 hour halogen lamp
- Osram ELC, 24 V / 250 W, 50 hour halogen lamp
- Half-coupler clamp
- Martin carry bag

Approval
- CE

Ego 03
Effect Lights

Ego 03 is a unique, 250-watt deco effect that projects a psychedelic swarm of kaleidoscopic colors.

It features high precision optics, a specially designed color/gobo wheel, and sharp and detailed kaleidoscopic gobo designs, all in a great looking composite shell. Other features include variable behavior options, selectable auto or music trig, remote operation, switch mode power supply and much more.

A continuous duty cycle and fan cooling means the effect runs all night with no cool down time needed. Ego 03 houses extremely sharp projection optics and precise manual focus adjustment that produces detailed, clear projections.

An adjustable rotation speed and adjustable dynamic speed "behavior trig" puts DJs in the driver's seat. This unique variable behavior tuner allows you to adjust how your effect behaves. From Trip Hop to Trance, you decide how your ego reacts to the beat. Ego 03 operates in stand-alone in either auto or music trig mode or can be controlled via remote control.

At only eight pounds ego 03 is both lightweight and highly portable. The composite design is made of rugged molded plastic and looks great in a rig. A convenient handle and lens protection ring makes for easy transport and handling, and a switch mode power supply makes set up even more straightforward. A special ego carrying bag is also available which will hold two fixtures.

Ego 03 can be tailored to a wide variety of DJ, club and retail applications and joins the other ego version to form a genuine collector range.

Source
- Philips ELC, 24 V / 250 W,
  long life halogen lamp (included)
- Osram ELC, 24 V / 250 W,
  long life halogen lamp
- Osram ELC, 24 V / 250 W,
  50 hour halogen lamp

Combined Color/ Gobo Wheel
- Custom designed color/gobo wheel
  optimized for kaleidoscopic effects
- Colors glued directly to gobo wheel

Optics
- Precision optics

Cooling
- Fan cooled - continuous operation with
  no duty cycle.

Control
- Adjustable rotation speed
- Adjustable dynamic speed
- Remote control available
- Selectable auto or music trig

Contruction
- Cool composite design

Measurements
- Size w/o standard bracket (L x W x H)
  305 x 324 x 150 mm
  (12 x 12.8 x 5.9 in)
- Weight: 3.8 kg (8.4 lbs)

Electrical
- Input: 3-prong IEC male socket
- AC Power: auto-ranging
  90-130 V / 200-250 V, 50-60 Hz
- Power - current consumption:
  240W, 1A @ 230V
  250W, 2.2A @120V

Accessories
- Ego remote control
- Osram ELC-7/X, 24 V / 250 W,
  700 hour halogen
- Philips ELC/5H, 24 V / 250 W,
  500 hour halogen lamp
- Osram ELC, 24 V / 250 W,
  50 hour halogen lamp
- Half-coupler clamp
- Martin carry bag

Approval
- CE

Ego X4
Effect Lights

Martin has added to its ego collector range of DJ effects with the ego X4. The first of the DMX controllable egos that project razor sharp flower effect graphics and brilliant new gobo designs, adding uniqueness to your DJ light show.

This highly individual 250-watt effect light houses a combined color/gobo wheel and features new radical gobo designs unlike any other effect light. Top quality projection optics combined with a precise manual focus adjustment produces extremely sharp, detailed projections.

Besides the benefits of customized DMX control, the ego X4 can operate in either auto or music trig mode. In trig mode variable behavior tuning allows DJs to adjust how aggressively the effect reacts to music. The ego X4 comes with spectacular macros included for fast programming and demonstrations as standard.

A powerful 250-watt, 1000-hour halogen lamp combined with a bidirectional parabolic reflector, (with highly reflective mirrors), gives exceptionally bright projection.

There is also a variable strobe effect with 0–100% digital dimming and variable effect speeds on both the parabolic reflector and the color/gobo wheel rotation which add to the DJ's repertoire of effects.

A convenient handle and lens protection ring makes for easy transport and handling, and a switch mode power supply makes set up even more straightforward. A special ego carrying bag is also available which will hold two fixtures.

Source
- Philips ELC, 24 V / 250 W, long life halogen lamp (included)
- Osram ELC, 24 V / 250 W, long life halogen lamp
- Osram ELC, 24 V / 250 W, 50 hour halogen lamp

Motorized Color/ Gobo Wheel
- 12 Color/Gobo Positions plus closed

Motorized Mirror Dish
- Clockwise or counter-clockwise rotation, shake and music trigger available

Optics
- Precision optics

Cooling
- Fan cooled - continuous operation with no duty cycle.

Control & programming
- Protocol: USITT DMX-512 (1990)
- Control Channels: 6
- Data I/O sockets: 3-pin XLR male/ female, pin 1=shield, pin 2 (-), pin 3 (+)
- Control method: DMX controller, stand-alone single fixture, master/slave
- Stand-alone triggers: music or auto (self-triggering)
- Data link electrical standard: RS-485

Contruction
- Cool composite design

Measurements
- Size w/o standard bracket (L x W x H) 305 x 324 x 150 mm (12 x 12.8 x 5.9 in)
- Weight: 3.8 kg (8.4 lbs)

Electrical
- Input: 3-prong IEC male socket
- AC Power: auto-ranging 90-130 V / 200-250 V, 50-60 Hz
- Power - current consumption: 240W, 1A @ 230V 250W, 2.2A @120V

Accessories
- Ego remote control
- Osram ELC-7/X, 24 V / 250 W, 700 hour halogen
- Philips ELC/5H, 24 V / 250 W, 500 hour halogen lamp
- Osram ELC, 24 V / 250 W, 50 hour halogen lamp
- Half-coupler clamp
- XLR termination plug
- Martin carry bag
- XLR termination plug

Macros
- 12 spectacular macros

Approval
- CE

Effect Lights

Ego X5
Effect Lights

The only one true kaleidoscopic effect on the market today with a blazingly bright output and razor sharp images to cut life into any show, club or party.

With the ease of DMX control and 12 inbuilt macros to get you on the road fast, the ego X5 is the supreme mood instigator for the light hearted professional.

Besides the benefits of customized DMX control, the ego X5 can operate in either auto or music trig mode. In trig mode variable behavior tuning allows DJs to adjust how aggressively the effect reacts to music. The ego X5 comes with spectacular macros included for fast programming and demonstrations as standard.

A convenient handle and lens protection ring makes for easy transport and handling, and a switch mode power supply makes set up even more straightforward, meaning you can take your ego around the world. A special ego carrying bag is also available which will hold two fixtures.

Source
- Philips ELC, 24 V / 250 W,
  long life halogen lamp (included)
- Osram ELC, 24 V / 250 W,
  long life halogen lamp
- Osram ELC, 24 V / 250 W,
  50 hour halogen lamp

Motorized Color/
Gobo Wheel
- 12 Color/Gobo Positions plus closed

Motorized Mirror Tunnel
- Clockwise or counter-clockwise rotation,
  shake and music trigger available

Optics
- Precision optics

Cooling
- Fan cooled - continuous operation with
  no duty cycle.

Control & programming
- Protocol: USITT DMX-512 (1990)
- Control Channels: 6
- Data I/O sockets: 3-pin XLR male/
  female, pin 1=shield, pin 2 (-), pin 3 (+)
- Control method: DMX controller, stand-
  alone single fixture, master/slave
- Stand-alone triggers: music or auto
  (self-triggering)
- Data link electrical standard: RS-485

Contruction
- Cool composite design

Measurements
- Size w/o standard bracket (L x W x H)
  305 x 324 x 150 mm
  (12 x 12.8 x 5.9 in)
- Weight: 3.8 kg (8.4 lbs)

Electrical
- Input: 3-prong IEC male socket
- AC Power: auto-ranging
  90-130 V / 200-250 V, 50-60 Hz
- Power - current consumption:
  240W, 1A @ 230V
  250W, 2.2A @120V

Accessories
- Ego remote control
- Osram ELC-7/X, 24 V / 250 W,
  700 hour halogen
- Philips ELC/5H, 24 V / 250 W,
  500 hour halogen lamp
- Osram ELC, 24 V / 250 W,
  50 hour halogen lamp
- Half-coupler clamp
- Martin carry bag
- XLR termination plug

Macros
- 12 spectacular macros

Approval
- CE

Ego X6
Effect Lights

The new dazzling effect light from the ego series shoots colorful, piercing images into the night with DMX controlled simplicity.

Incredible lighting effects are enhanced by a textured glass wheel which adds depth and life to each gobo pattern while razor sharp optics produce brilliant midair effects.

The ego X6 comes with 12 inbuilt macros to get you shinning fast at any show or venue.

Besides the benefits of customized DMX control, the ego X6 can operate in either auto or music trig mode. In trig mode variable behavior tuning allows DJs to adjust how aggressively the effect reacts to music. The ego X6 comes with spectacular macros included for fast programming and demonstrations as standard.

A powerful 250-watt, 1000-hour halogen lamp combined with a bidirectional parabolic reflector, (with highly reflective mirrors), gives exceptionally bright projection.

A convenient handle and lens protection ring makes for easy transport and handling, and a switch mode power supply makes set up even more straightforward, meaning you can take your ego around the world. A special ego carrying bag is also available which will hold two fixtures.

Source
- Philips ELC, 24 V / 250 W, long life halogen lamp (included)
- Osram ELC, 24 V / 250 W, long life halogen lamp
- Osram ELC, 24 V / 250 W, 50 hour halogen lamp

Motorized Color/ Twinkle Wheel
- 12 positions, auto twinkle, music trigger available

Motorized Mirror Dish
- Clockwise or counter-clockwise rotation, shake and music trigger available

Motorized Textured Glass Wheel
- 13 positions, music trigger available

Optics
- Precision optics

Cooling
- Fan cooled - continuous operation with no duty cycle.

Control & programming
- Protocol: USITT DMX-512 (1990)
- Control Channels: 6
- Data I/O sockets: 3-pin XLR male/ female, pin 1=shield, pin 2 (-), pin 3 (+)
- Control method: DMX controller, stand-alone single fixture, master/slave
- Stand-alone triggers: music or auto (self-triggering)
- Data link electrical standard: RS-485

Contruction
- Cool composite design

Measurements
- Size w/o standard bracket (L x W x H) 305 x 324 x 150 mm (12 x 12.8 x 5.9 in)
- Weight: 3.8 kg (8.4 lbs)

Electrical
- Input: 3-prong IEC male socket
- AC Power: auto-ranging 90-130 V / 200-250 V, 50-60 Hz
- Power - current consumption: 240W, 1A @ 230V 250W, 2.2A @120V

Accessories
- Ego remote control
- Osram ELC-7/X, 24 V / 250 W, 700 hour halogen
- Philips ELC/5H, 24 V / 250 W, 500 hour halogen lamp
- Osram ELC, 24 V / 250 W, 50 hour halogen lamp
- Half-coupler clamp
- Martin carry bag
- XLR termination plug

Macros
- 12 spectacular macros

Approval
- CE

Mania EF1i
Effect Lights

The EF1i has cool dance floor lighting effects suitable for DJs, clubs, events or even your own personal party. With 19 beams of light, a motorized selectable gobo wheel and 8 patterns, (each with color), the Mania EF1i will decorate and electrify any environment. A variable focus also allows you to frost any effect and an optional sound activation keeps patterns moving to the beat.

Best of all is the Mania EF1i's incredible capacity for stamina. Unlike most lighting fixtures on the market the EF1i has no duty cycle, which means there are no cool down periods and no stopping the show. There are few things more irritating than having to stop a groove you have worked for hours to get going simply because your lights need a rest, and with the Mania series, this is a thing of the past.

Source
• Philips EFP, 12 V / 100 W,
  long life halogen lamp (included)

Effects
• Combined Color/Gobo Wheel
• 10 Colors
• 8 gobos on a motorized wheel

Optics
• Manual focus
• 19 beams

Cooling
• Convection cooled - no duty cycle

Control
• Stand-alone w / music trigger, stand-alone w / auto trigger, lamp on / off switch

Gobo Wheel modes
• Music Trigger
• Continues Spinning
• Stop

Construction
• Mania housing: Aluminum and plastic

Measurements
• Size without standard bracket (LxWxH)
  312 x 250 x 142 mm (12.3 x 9.8 x 14.2 in)
• Weight 6.5kg (14.3 lbs)

A/C Supply
• 115 / 230 V, 50-60 Hz
• 107 W, 0.5 A 230 V, 50 Hz
• 115 W, 1.0 A 120 V, 60 Hz

Approvals
• CE, ETL, CETL

Effect Lights

Mania EF2
Effect Lights

The EF2 is the new cool dance floor lighting effects suitable for DJs, clubs, events or even your own personal party.

With 19 beams of light, a motorized selectable gobo wheel, 8 gobo patterns, (4 with color coated structure glass and 4 with dichroic color filters), the EF2 is an awesome member to the Mania family.

A variable focus also allows you to frost any effect and an optional sound activation keeps patterns moving to the beat.

Like all Manias, the EF2 has incredible stamina with no duty cycle, meaning there are no cool down periods and no stopping the show.

Source
• Philips EFP, 12 V / 100 W,
long life halogen lamp (included)

Effects
• Combined Color/Gobo Wheel
• 4 metal gobos with solid colors attached
• 4 with colored, textured glass

Optics
• Manual focus
• 19 beams

Cooling
• Convection cooled - no duty cycle

Control
• Stand-alone w / music trigger, stand-alone w / auto trigger, lamp on / off switch

Gobo Wheel modes
• Music Trigger
• Continues Spinning
• Stop

Construction
• Mania housing: Aluminum and plastic

Measurements
• Size without standard bracket (LxWxH)
312 x 250 x 142 mm (12.3 x 9.8 x 14.2 in)
• Weight 6.5kg (14.3 lbs)

A/C Supply
• 115 / 230 V, 50-60 Hz
• 107 W, 0.5 A 230 V, 50 Hz
• 115 W, 1.0 A 120 V, 60 Hz

Approvals
• CE, ETL, CETL

Effect Lights

Mania EF3
Effect Lights

The EF3 is the new cool and colorful light from Martin with awesome dance floor lighting effects suitable for DJs, bands, clubs, events or even your own personal party. With 18 beams of light, a motorized gobo wheel, 8 gobo patterns (two with structure glass) the EF3 is the remarkable new member to the Mania family.

A variable focus also allows you to frost any effect and an optional sound activation keeps patterns moving to the beat.

Like all Manias, the EF3 has incredible stamina with no duty cycle, meaning there are no cool down periods (like many other effect lights) and no stopping the show.

Source
- Philips EFP, 12 V / 100 W, long life halogen lamp (included)

Effects
- Rotating, colored parabolic mirror reflector
- 8 gobos: 6 with colored glass and 2 with structured glass

Optics
- Manual focus
- 18 beams

Cooling
- Convection cooled - no duty cycle

Control
- Stand-alone w / music trigger, stand-alone w / auto trigger, lamp on / off switch

Gobo Wheel modes
- Music Trigger
- Continues Spinning
- Stop

Construction
- Mania housing: Aluminum and plastic

Measurements
- Size without standard bracket (LxWxH) 312 x 250 x 142 mm (12.3 x 9.8 x 14.2 in)
- Weight 6.5kg (14.3 lbs)

A/C Supply
- 115 / 230 V, 50-60 Hz
- 107 W, 0.5 A 230 V, 50 Hz
- 115 W, 1.0 A 120 V, 60 Hz

Approvals
- CE, ETL, CETL

Mania DC1
Effect Lights

The Mania DC1 is a light fixture that projects brilliant decorative fluid effects.

Ideal for shows, clubs or simply your own personal party, the Mania DC1 will wash liquid light through the crowd, the lounge, across walls and over bars.

With three selectable colors plus white, the DC1 gives you split color options for a truly awesome mix. A variable focus also allows you to frost and blur the projected image while a variable speed of effect gives you the option of ranging moods - from a silent trickle to a surging waterfall.

Best of all is the Mania DC1's incredible capacity for stamina. Unlike most lighting fixtures on the market the DC1 has no duty cycle, which means there are no cool down periods and no stopping the show.

Source
- Philips EFP, 12 V / 100 W,
  long life halogen lamp (included)

Effects
- Motorized color wheel
- 3 colors + white + split color option

Options
- Manual focus
- Spread angle 53° full angle

Cooling
- High speed fan cooled - no duty cycle

Control
- Mains on/off switch
- On/off Switch for color wheel
- CW / CCW rotation for Aqua effect
- Adjustable rotation speed for Aqua
  effect

Construction
- Mania housing: Aluminum and plastic

Measurements
- Size without standard bracket (LxWxH)
  312 x 250 x 142 mm (12.3 x 9.8 x 14.2 in)
- Weight 6.3kg (14.1 lbs)

A/C Supply
- 115 / 230 V, 50-60 Hz
- 111 W, 0.5 A 230 V, 50 Hz
- 118 W, 1.0 A 120 V, 60 Hz

Approvals
- CE, ETL, CETL

Mania DC2
Effect Lights

The Mania DC2 is a decoration tool which projects sensational images of flickering flames - turning up the heat at any show, club or party - even before you lay the tunes.

The DC2 has a variable focus which allows you to blur the edges of your projected image and a variable speed of the flame effect to range your decorative projections from a cozy flicker to a blazing inferno.

Best of all is the Mania DC2's incredible capacity for stamina. Unlike most lighting fixtures on the market the DC2 has no duty cycle, which means there are no cool down periods and no stopping the show. Why bother with decorative lighting that needs to be shut down every 15 minutes leaving holes in your décor? Like the crowd, the Mania DC2 doesn't need to rest, so you can keep it shining all night!

Source
- Philips EFP, 12 V / 100 W,
  long life halogen lamp (included)

Effects
- Specially designed fire gobo

Options
- Manual focus
- Spread angle 53° full angle

Cooling
- High speed fan cooled - no duty cycle

Control
- Mains on/off switch
- CW / CCW rotation for Fire effect
- Adjustable rotation speed for Fire effect

Construction
- Mania housing: Aluminum and plastic

Measurements
- Size without standard bracket (LxWxH)
  312 x 250 x 142 mm (12.3 x 9.8 x 14.2 in)
- Weight 6.3kg (14.1 lbs)

A/C Supply
- 115 / 230 V, 50-60 Hz
- 109 W, 0.5 A 230 V, 50 Hz
- 117 W, 1.0 A 120 V, 60 Hz

Approvals
- CE, ETL, CETL

Effect Lights

Mania DC3
Effect Lights

The Mania DC3 is the third dazzling decoration fixture in the Mania series.

It is a decoration tool which projects sensational oil wheel images and creates psychedelic decoration effects at any show, club or party.

A variable focus allows you to blur the edges of your projected image while a variable speed control lets you keep pace with the music. Gobos can also be placed in the DC3 to frame the oil wheel image and give depth to your show.

As with ever fixture in the Mania range and unlike most other lighting fixtures on the market, the DC3 has no duty cycle, which means there are no cool down periods and no stopping the show.

Source
- Lamp: Philips 6958 - 24V / 250W 10H (average life 1000 hrs.)

Effects
- Motorized rotating multi-colored oil wheel effect
- Accepts gobo or textured/colored glass filter (size D, max. image size 38mm/1.5 in.), available separately

Optics
- Adjustable focus
- Adjustable beam angle (25° or 32°)
- 43° beam angle converter available separately

Cooling
- High speed fan cooled - no duty cycle

Control modes
- Mains on/off switch
- Controllable speed and direction of oil wheel rotation
- Control panel on fixture
- Remote control operation (remote control unit ships with product)
- Up to four fixtures can be operated from one remote control

Construction
- Mania housing: Aluminum and plastic

Measurements
- Size without standard bracket (LxWxH) 340 x 290 x 215 mm (13.4 x 11.4 x 8.5 in)
- Weight 9 kg (19.8 lbs)

A/C Supply
- 115-120 V / 230-240 V, 50-60 Hz
- 265 W, 1.1 A @ 230 V, 50 Hz
- 281 W, 2.3 A @ 120 V, 60 Hz

Included items
- Oil Wheel
- 10 framing gobos

Approvals
- CE, ETL, CETL

Mania PR1
Effect Lights

Give them the tunes to remember the night and the Mania PR1 will ensure they remember your name.

The Mania PR1 is a high precision optic luminaire to herald your image, your logo, your decoration or your message onto any wall, floor or ceiling.

With an interchangeable pattern disk (gobo) you can adjust your message to whatever the occasion – clubs, birthdays, bar mitzvahs or weddings. Color filters can also be added and as with all Mania products, there is no duty cycle so it can run all night!

Source
- Lamp: Philips 6958 - 24V / 250W 10H
  (average life 1000 hrs.)

Optics
- Adjustable focus
- Adjustable beam angle (25° or 32°)
- 43° beam angle converter available
  separately

Effects
- Rotating interchangeable D-Size gobo
- Optional steel or glass gobo
- Color slot for interchangeable color filter

Control modes
- Mains on/off switch
- Controllable speed and direction of
  oil wheel rotation
- Control panel on fixture
- Remote control operation (remote
  control unit ships with product)
- Up to four fixtures can be operated from
  one remote control

Measurements
- Size without standard bracket (LxWxH)
  340 x 290 x 158 mm
  (13.4 x 11.4 x 6.2 in)
- Weight 9 kg (19.8 lb)

A/C Supply
- 115 / 230 V, 50-60 Hz
- 255 W, 1.1 A @ 230 V, 50 Hz
- 255 W, 2.1 A @ 115 V, 60 Hz

Optional Accessories
- Remote Control

Included items
- 2 colored, structured glass gobos

Approvals
- CE, ETL, CETL

Color Changers

Color Changers

The Stage Cyclo
Color Changers

The new Stage Cyclo from Martin is a robust color-changing effect light that effortlessly provides a clean, even distribution of light.

With simplistic operation, a powerful output, zero heat and zero noise pollution, the Stage Cyclo is perfect for studio and theater sets.

With four 54W fluorescent tubes in red, green, blue and white, (with the possibility for any customized color) the Stage Cyclo has a full color mixing capability.   A patent pending optical system gives a brilliant 55 degree beam angle with an even light distribution.

A parabolic louver reflector provides maximum light output with minimum heat making the Stage Cyclo perfect for close set applications. Both 3 and 5 pin XLR and RJ45 sockets are provided on the fixture for connection to the DMX data control signal

Total mounting flexibility is given through the standard Martin Omega sockets which are placed on the top, back and ends of the Stage Cyclo.

Dimmer/Shutter
- Full range dimming

Color
- Color mixing via four independent high power fluorescent tubes; red, green, blue and white

Optics
- 55° beam angle
- Patented reflector design
- Manual barndoor accessory available
- Frost filter front accessory available

Control & Programming:
- Protocol: USITT DMX-512 (1990)
- Control channels: 4
- Data I/O: Locking 3-pin and 5-pin XLR male / female sockets and RJ 45 in / out sockets
- Data pinout: Pin 1 shield, pin 2 cold (-), pin 3 hot (+)
- Setting and Addressing: Onboard dip-switch control
- Receiver: Opto-isolated RS 485

Source:
- Approved lamp type: OSRAM T5 FH 54 Watt tubes
- Light source: T5 tubes (4x54W)
- Expected lamp life: 20,000 hours

Construction:
- Aluminum housing
- In built carrying handle
- IP 20 rating

Rigging:
- Mounts in any orientation
- Built in extendable feet for floor mounting
- Omega bracket sockets on end, top and rear
- Units can be joined in stacking configurations

Measurements
- Size Without Brackets (LxWxH) 1272 x 209 x 135 mm (50 x 8.2 x 5.3 in) Weight: 10.5 kg (23.1 lbs)

Electrical
- AC input: Powercon (included)
- Electronic Ballast
- Wiring Options: 100V / 60 Hz, 208- 250V / 50 or 60 Hz.
- Power – current consumption: 216 W, 0.94 A @230V / 50 Hz

Included Items
- 4 x OSRAM T5 FH 54 Watt tubes
- 2 x Omega brackets 1/4-turn
- XLR cable, 5 m (16.4 ft), black, 3-pin
- Powercon mains connector
- User manual

Accessories
- Manual barndoors
- Frost front
- G-clamp
- Half-coupler clamp
- Flight case

Color Changers

CX - 10 Extreme
Color Changers

The CX-10 - For the design of entertainment
The CX-10 is much more than a color changer. It is an atmosphere generator; a tool to separate or summon moods; to position space.

Using the boundless combination of color and pattern, the CX-10 opens new avenues for luminous environments, allowing you to push back walls to create your unique signature.

Featuring an automated color and effect wheel, the CX-10 can also lend a taste of the dramatic, with animated lighting effects that raise the field of attention.

The CX-10 lets you refurbish space to precisely fit its purpose.

Beam Effects
- Variable frost effect

Dimmer/Shutter
- Full range dimming
- Variable speed strobe

Color wheel
- 1 motorized color wheel with 13 positions, fitted with interchangeable colours, plus open
- Split colour function
- Continuous scroll effect

Effect wheel
- 1 motorized double sided effect wheel with 2x13 positions, fitted with inter-changeable colors, CTC filters, gobos, textured glass and beam apertures, plus open
- Effect 'Shake' function
- Continuous wheel rotation

Focus
- Motorized focus from 2m to infinity
- Morphing effects

Optics
- Glass cold light reflector
- 22° beam angle

Source
- Philips MSD 250/2 (250W, 9000K, 3000hr) lamp (included)
- Osram HSD 250/78 (250W, 7800K, 3000hr) lamp
- GE CSD 250/2 (250W, 9000K, 2000hr) lamp

Construction
- Modular, service-friendly construction
- Reinforced composite shell
- Shock-resistant chassis
- Carrying handle

Control
- Protocol: USITT DMX-512
- Control Channels: 7
- Data I/O: Locking 3-pin XLR, pin 1 shield, pin 2 cold (-), pin 3 hot (+)
- Setting and Addressing: LED control panel
- Movement Control: Tracking or Vector
- Software Installation: serial upload (MUF)

Cooling
- Low noise cooling

Rigging
- Mounts in any orientation with 1 clamp
- Stands directly on the floor

Measurements
- Size: (LxWxH): 416 x 347 x 315 mm (16.4 x 13.4 x 12.4 in)
- Weight: 20 kg (44 lbs)

Electrical
- AC input: 3-prong IEC male socket
- Power supply options: 100/ 120/ 210/ 230/ 250V, 50/ 60Hz., switch selectable
- Power consumption: 360W, 1.8A @ 230V / 50Hz.

Included Items
- Philips MSD 250/2 lamp
- Mains cable, 3m, IEC 3 pin
- User Manual

Accessories/Options
- 15 degree narrow angle lens kit
- 32 degree wide angle lens kit
- Flightcase for 2 fixtures
- G-Clamp
- Half coupler clamp
- MP-2 Uploader
- The Martin Wife

Approvals
- CE, ETL, CETL

Color Changers

CX - 4
Color Changers

The CX-4 is a versatile, automated profile color and pattern changer utilizing a 6000 hour, 150-watt discharge source.

The second in the Martin CX series of stylish color changers, the CX-4 adds a splash of color and pattern to any clubs and interiors.

A color wheel combines with a color/effect wheel to offer a whopping 77 different color possibilities. The color wheel houses 6 solid colors and open white, 3 CTC filters plus a multi-color option.

The color/effect wheel houses 6 solid colors, 4 gobo patterns and 5 beam reducing gobos plus a frost effect and variable strobe effect. An ultra-smooth, full range mechanical dimmer is also included. The CX-4 is DMX controllable or operates in stand-alone or master/slave mode.

Extremely versatile, the CX-4 is the definitive color and pattern changer for both club and architectural environments.

Color
- Color wheel with 9 dichroic colors + 1 multicolor + open
- Color/gobo wheel with 3 dichroic colors + 3 CTC filters
- Total of 77 color combinations

Effect
- 4 pattern gobos
- Shutter and strobe on effect wheel
- 5 beam angles

Dimmer
- Ultra smooth, full range mechanical dimmer

Control
- DMX- 512 protocols
- Stand alone control with auto or music trigger
- Master/slave configurable

Frost
- Frost effect

Source
- Philips CDM-SA/T 150W 6000hr (included)
- OSRAM Optional: HTI 150W 750 hr*
- Martin HTI 150, 2000 hr*
- CSS 150 (GE)*

*requires new lamp socket kit

Construction
- Solid, UV-resistant, fiber-reinforced composite plastic shell

Measurements
- L x W x H: 296 x 269 x 270 mm (11.7 x 10.6 x 10.6 in)
- Weight: 8.5 kg (18.7 lbs) 3-pin & 5-pin XLR

Electrical
- AC Supply
- 100 / 120 / 210 / 230 / 250 V, 50-60 Hz
- Power current consumption: 190 W, 1.0 A @ 230V

Approvals
- CE, ETL, CETL

Color Changers

CX - 2
Color Changers

The CX-2 was the first member of the influential CX series, easy-to-use color changers for venues of all types. Based on the same housing as the popular MX-1 scanner, the CX-2 is a futuristically designed color changer that set standards for design in the industry.

The CX-2 houses a color wheel with 15 colors, 2 split colors plus open. An effect wheel with 10 gobo patterns, 5 iris gobos and frost make the CX-2 a versatile effect light as well. The CX-2 makes it easy to add a splash of color, pattern and excitement to any environment.

An electronic dimmer and variable strobe are also included for special effects. The CX-2 is DMX controllable and houses a powerful 250 watt halogen lamp.

Color/Effects
- 15 full dichroic colors, 2 split colors + open
- 10 pattern gobos, 5 iris gobos and frost effect

Dimmer/Shutter
- Full range electronic dimmer
- Variable strobe

Focus
- Manual focus

Cooling
- Fan cooling (high speed fan)

Control
- Control via DMX-512 protocols, 1 or 6 channel mode
- Stand alone control with auto or music trigger
- Master/slave configurable
- Single fader operation

Special Master/Slave dipswitch settings
- Invert color wheel
- Invert gobo wheel
- Randomize color wheel
- Econo-mode; reduced power to extend lamp life

Source
- Philips ELC, 24 V / 250 W, long life halogen lamp (included)
- Osram ELC, 24 V / 250 W, long life halogen lamp
- Osram ELC, 24 V / 250 W, 50 hour halogen lamp

Measurements
- L x W x H: 296 x 269 x 270 mm (11.7 x 10.6 x 10.6 in)
- Weight: 5.5 kg (12.1 lbs)

Electrical
- AC supply
- EU model: 230/245 V, 50-60 Hz
- US model: 110/120 V, 50-60 Hz
- Power current consumption: 250 W, 1.1 A @ 230 V

Approvals
- CE, ETL, CETL

Color Changers

RoboColor Pro 400
Color Changers

Designed with the rigors of international touring in mind, the RoboColor Pro 400 is utilized in a wide variety of lighting applications. It is a tough, durable and versatile color changer. It is a brighter, more flexible and more cost effective alternative to the parcan.

Housing two dichroic color wheels, the Pro 400 can generate 32 intense colors and hues. The smooth microstepping and ultra-fast shutter doubles as both a full-range dimmer and a highly effective strobe to provide added energy. A system of built-in and optional lenses allows for a field angle range from 5° up to 33°.

The Pro 400 houses a powerful and long lasting light source - a 200W MSD lamp providing 2000 hours of reliable operation. Control comes via a Martin RS-485 or DMX 512 controller and stand-alone operation can be either automatic or sound triggered.

The RoboColor Pro 400 can also be used as a light source for fiber optic cable when fitted with an optional adapter.

Dimmer/Shutter
- Combined mechanical dimmer/shutter
- Full range, microstep-driven dimming
- Variable strobe up to 10 Hz
- Remote lamp on/off

Color
- 2 motorized color wheels
- 12 dichroic color filters
- Split positions
- 5500K/3400K dichroic CTC filter
- 3500K/5600K dichroic CTC filter
- 32 total mixable colors

Focus
- Manual focus
- 7°, 14°, 21° focused beam angles via iris
- Optional 5°, 10°, 15° narrow angle
- Optional 11°, 22°, 33° wide angle
- Wider, unfocused wash

Optics
- 2750 lm total luminous flux
- Precision coated lenses
- Ellipsoidal aluminum reflector

Control
- Martin RS-485 and DMX-512 protocols
- Channels/DMX mode: 5/1, 7/2, 5/3
- Stand-alone mode with auto or music trigger

Cooling
- Automatic fan cooling

Source
- Philips MSD 200 (200 W, 67 lm/W, 5900K color temperature, 2000 h)

Measurements
- Size incl. standard bracket
  L x W x H: 286 x 334 x 262 mm
  (11.2 x 13.1 x 10.3 in)
- Weight: 12 kg (26,4 lbs)

Electrical
- AC supply
- EU model: 230/240/250 V, 50 Hz
- US model: 210 V, 60 Hz; 225 V, 50/60 Hz
- (100/110/120 V, 60 Hz with optional transformer)
- Power, current consumption: 250 W, 1.25A @ 230 V/50 Hz

Accessories
- Flight case
- 33° wide angle lens
- 15° narrow angle lens
- Step-up transformer for use with 110 V AC

Approvals
- CE, ETL, CETL

Digital Lighting

Maxedia

Maxedia

Maxedia is, in 'industry terms', what has commonly come to be known as a Media Server. Essentially, this means that it is a computerized box that is capable handling different kinds of media; pictures, video, 3D graphics etc. and output it as a video signal to be sent to video screens / plasma screens or any kind of video image projector.

Maxedia features outputs of up to 20 different layers of media, including high quality video, bitmap images, Flash 4 files, real time effects, text and real time video inputs.

The real time video input feature allows you to take a source directly from a camera or video system and run it through Maxedia, where you have full control over parameters such as color, position and size along with being able to blend it in with other Maxedia layers.

Maxedia is one of the Media Server systems with the most real time manipulation features on the market, making it easy and simple to adjust your looks on the fly, and without having media being re-edited off site and brought back into the Media server again.

Real-time means that changes appear instantly with no delays.

True 3D effects, such as ocean scenes, can be manipulated in real time in various ways such as: intensity of waves, changes in waveform from peaks to smooth tops and much more.

This can all be edited on the Maxedia giving effects that range from a quiet stretch of water to a thundery storm situation and saved as a preset cue, ready for immediate playback.

The programming of Maxedia is done locally on Maxedia itself. DMX 512 is used for control playback during a show situation. This keeps the required number of control channels low and gives users ultimate flexibility both during the programming and the playback phases of a show.

Software

- No limits to number of layers (Only hardware sets limit)
- Multiple layers of high quality video (4 layers in DV)
- Multiple layers of bitmaps
- Multiple layers of real-time effects
- Multiple layers of flash-4 files
- Multiple Text layers
- 1 real-time video input
- Video output: 800x600 or 1024x786
- User interface output: VGA 1024x786

3D effects, mapping: bitmap or video

- Ocean
- Ribbon
- Text
- Tunnel
- Spike ball
- Blob
- Floor
- Window
- Light Panel

Real-time layer manipulation

- Position
- Rotation
- Color adjusting (RGB)
- Intensity
- Video speed (With smooth slow-motion)

- Full 3D manipulation
- Keystone
- Framing
- Etc. depending on layer

Playback, Real-time transitions

- Blend fade
- Cross
- Box wipe
- Side Wipe
- White blend
- Master time/speed control
- Master Color control
- Master Position control
- Master Rotation control

Media

- Comes with standard with:
- 160 digital gobos
- 160 bitmaps
- 50 Flash animations
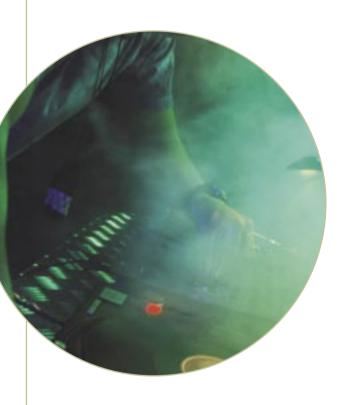
Hardware

- Server
- Industrial computer
- 1 DVD recorder
- 1 System drive 120GB
- 1 Media swappable drive 120GB
- (Approx: 10 Hours of high quality video)
- 1 Keybord
- 1 Mouse
- 19 inc / 4 units
- Weight: 20 kg

Interface unit:

- Display for set up DMX address and settings directly on the system.
- DMX in out
- ART-NET and ACN in out
- USB connection for drives and other I/O
- Firewire connection for drives and video I/O
- Balanced audio input
- Balanced audio output
- Video input via, Composite, SDI, S-Video
- Video output via VGA, RGB, DVI, Composite, S-video & SDI (Optional)

Digital Lighting

Controllers

Maxxyz

Maxxyz Wings

Xciter

2518

Freekie

LightCorder

MC-Showtime

MC-Switch

LightJockey

Fingers

Martin ShowDesigner

Maxxyz
Controllers

Maxxyz is Martin's new professional lighting console and the most advanced stage lighting console on the market today thanks to a string of highly original features and intuitive design. Maxxyz incorporates all the features that professionals should expect including direct fixture access, powerful effects generator, USB, motorized faders, quality touch screens, along with SMPTE/VITC/LANC/MIDI timecoding.

But Maxxyz also offers programmers and LDs a string of impressive new features.

Maxxyz is one of the first of its kind to incorporate digital LCD buttons designed for tailored, flexible programming. This lets you group functions to an LCD button and customize your console layout to enhance ease of navigation and fast recognition.

A key element of Maxxyz is its built-in 3D Visualizer, fully integrated into the console software. The Visualizer allows you to view your light shows in highly realistic 3D.

Maxxyz has been developed with multimedia in mind. The console has a DVD/CD-RW multi-drive so you can synchronize your light shows with audio and video. The combination drive also lets you save your shows to CD-ROM, or you can use it to watch your favorite DVDs during those idle moments. Maxxyz also has a further 60 GB of hard disk space available for backup purposes.

Along with the 8 DMX universes available directly from the console, Maxxyz is also fully Ethernet enabled. By connecting to a series of EtherDMX boxes, Maxxyz' capacity expands to 32 DMX universes or up to 16,384 channels. The fast Ethernet network lets you attach accessories such as PC tablets for remote control with advanced functionality.

Inside the console are two 1.2 GHz, Pentium III processors, two complete computer systems that run in tandem and operate as one large, integrated system. If one CPU fails, the other will act as backup to preserve the core functions of the console during a show.

Hardware

Processing platform
• 2 Industrial CPUs
  (Pentium III, 1,2Ghz)
  Two complete computer systems,
  that communicate with each other
  and serve as an integrated back-up
  system.
  Four 3D accelerated screen outputs
  with DVD playback capability.

Touch screens
• Two Industrial 12.1″ SVGA TFT Color
  Touch Screens. Super high luminance
  of 500 cd/m2, twice as bright as a
  normal TFT screen.

CD-R, DVD drive
• Use the CD drive for music playback,
  installations, etc. Or back up your
  show/multimedia show directly to a
  CD-ROM.

Disk drive
• 1.44Mb disk drive to save show, etc.

Built-in Speakers
• Powerful internal 2-way speaker
  system for audio playback.
• Headphone-output also included.

Multiple Wing Attachment
• Create your own lighting console.
  Attach up to 64 wings to either side
  of the console in a complete design.

Digital LCD Buttons
• Customizable LCD buttons for fast
  direct programming. Group functions
  to digital LCD-buttons and create
  your own button layout.

High Quality Buttons
• For playback functions, screen keys
  and keypad functions.
• Keys have non-corrosion contacts.

Direct Fixture(s) Access
• Fixture parameters are quickly accessed
  through LCD buttons.
• Digital fader belts allow for fast access
  to any type of fixture function.

Direct Timing Access
• Set your cue timings, etc. directly via
  LCD buttons and fader belts.

Cue List Control:
• GO back, forward, pause or multi-
  select more cues such as color, gobo
  or movement - and launch them
  simultaneously.

Motorized Playback Faders
• Multiple pages of assignable and
  multi-functional playback faders for
  convenient and easy playback access
  of cue, cue-list, effects speed,
  amplitude, etc.

Software

Visual user interface
• Create your own views with
  easy-to-customize user interface.
• Full graphical fixture layout,
  everything can be dynamically scaled

Customize hardware layout
• Customize LCD button, fader etc.
  layout as desired.

Implemented 3D visualizer
• Built in real-time 3D Visualizer,

Preview view via 3D visualizer
• Preview shows before
  launching them, or reprogram
  cues during a show.

Effects generator
• Multi purpose effects generator
  allows you easily to create any kind
  of effect on any function via an intuitive
  visual user interface.

Playbacks
• Playback can contain a cue, cue list
  or chase including effects.
• Fader functions can be assigned as
  desired, such as intensity, sequence
  speed, effect speed, etc.
• Multiple banks of playbacks can
  be running at the same time.

Controllers

Maxxyz

Multimedia
- Play music directly from the controller or dump music directly to the hard drive for fast access.

Cues
- Unlimited number of cues

Cue lists
- Unlimited number of cue lists

Remote control
- Full remote control of the console via Ethernet or Internet, with full access to the console via a laptop, or another console for support etc.
- The same views and any physical movement of faders etc. are replicated at both ends.

Software update
- Check and download updates directly via the Internet, just plug the console into the net and press update.

Interface

DMX channels
- Up to 16,384 DMX channels or 32 DMX universes per console.
- More channels can be obtained by linking additional consoles together.

Fast Ethernet 1 (10/100 Mbit)
- Ethernet capability through Neutrix RJ45 connections for unlimited number of DMX universes.
- Various Ethernet protocols are available (Art-net and ACN ready).

Fast Ethernet 2 (10/100 Mbit)
- Used for 'Live' remote control via laptop/PC or Internet network from any location in the world.
- Link for automatic Internet updates, programming modification, service and support, multiple console linking, etc.

8 x DMX 512 Outputs (on console)
- A total of 4096 channels are available directly from the console!
- Each DMX 512 output is opto-isolated, half duplex, and the DMX timings & refresh rate can be adjusted individually.
- Fixture firmware uploads are supported.

2 x DMX 512 Inputs (on console)
- For capturing DMX values, master/slave functions with other controllers, etc.

USB Connections
- For extra mouse, keyboard, modem, multimedia and wing peripherals

2 x External VGA Outputs:
- Two external monitors can be attached in addition to the two touchscreens for increased viewing options.

MIDI
- MIDI IN/OUT/THRU. MIDI Show Control and MIDI notes can be used to trigger any function.
- MIDI notes can be generated to control other equipment too.

Maxxyz

Balanced Audio IN
• Balanced audio line input with a
  built-in 5-band audio filter. The audio
  input can be used to drive the
  powerful built-in 2-way speakers or
  to record stereo audio for multimedia
  shows, etc.

Balanced Audio OUT
• Audio OUT can be used for
  multimedia time-code shows when
  a CD or Wav or mp3 file
  is played from the system.

Desk Lights
• 3 dimmable 12V outputs are
  individually software controllable.

AC Supply

Power supply
• 110/220 V, 50-60 Hz

Power consumption
• 0,5 A, 150 W @ 220 V

Physical

Measurements
• Size (L x W x H):
  1034 x 613 x 287 mm.
  (41x24x11 in)
• Weight: 35 Kg (77 lbs)

Maxxyz Wing
Controllers

The new Maxxyz Wing System extends the Maxxyz's functionality and gives you the ability to customize and add more direct access to your console.

The Playback Wing, shown here, consists of two Playback Modules used to add 20 motorized faders with 20 LCD buttons, extending the playback capabilities of Maxxyz, plus 10 additional LCD buttons which are customizable for easy navigation.

The Maxxyz Wing System is a functional and flexible solution which, as further options become available, makes it possible to combine different modules in the same Wing Frame - thereby customizing it for a specific application.

Modules are easily connected directly to the Maxxyz' rear panel or to a USB port on a laptop/desktop computer and used in conjunction with the Maxxyz PC.

The Maxxyz Wing System can be placed on the left or right side of the main console. Multiple Wings can be placed on both sides of the main console, to give you the ultimate customized solution to your show. Use of multiple Wings is simple as each is connected to each other for further functionality.

Hardware
- Modular design for future expansion
- Full play back capabilities
- LCD buttons with customizable text
- Motorized faders
- Easily connects to Maxxyz
- Smart design allows for operation left or right of the main console
- Sturdy and robust construction

Controllers

Xciter
Controllers

The new Xciter embedded lighting controller from Martin closes the circle on total performance control. It provides complete functionality to your fingertips, with instant pitch adjustment, freeze, flash, blackout, master fader and more. From the most personal show to mid-sized performances, the Xciter puts you in total control.

With Xciter, lighting and effect triggers are no longer confined to simple BPM's, Xciter has six general faders and two masters, six flash and four customisable buttons.

The Xciter sports leading edge technology allowing different fixtures to follow base, mids or highs; giving a dynamic show. It can control up to 40 fixtures, each with up to 48 channels – with a maximum of 512 channels.

The very powerful effects generator macro allows you to apply effects, such as fanning, to all channels, faders, fixtures or group of fixtures, facilitating the creation of a dynamic show. Functions such as strobe, smoke, mirror ball activation and more can be allocated to each of four programmable buttons for simplified effects juggling.

Autopatching multiple fixtures and dimmers is simplified by selecting the start address and letting Xciter do the rest. You can then fine-tune the patch afterwards (in the soft patch) and rename the labels/channels. Accidentally activating playback is prevented through the process of activating or changing the playback. Assign effects, scenes or dimmers to any of six faders and flash buttons and access them live during playback. You can also set the Grand Master Fader for overall light intensity and Pitch Fader to speed your show by up to fives times.

Playback sequences can now be altered during playback, cue transparency is now more flexible and customizable. Should you make an error, you can now return to the last scene stored by using the undo button.

Connect your PC directly to Xciter via the USB connection to update fixture libraries, to back up, edit, export and import shows.

The Xciter's blue LCD displays permit easy navigation for show menu, dialogue and fader label screens. A jog wheel also delivers a friendly scrolling function through fader pages, and a joystick simplifies the manual pan and tilt control.

Programming
- Add Pan / tilt shape effects with timing effects
- Add singe channel effects to any channel with timing effects
- 20 pan/tilt presets
- Previous and next buttons used for single stepping, inputting data, navigation
- 40x2 Character LCD with blue backlight to show fader labels (parameters names and values)
- 16-bit on all channels
- Copy/paste functionality
- Autopatch fixtures and dimmers
- On-board fixture profile editor
- Indicator for channel mode
- 8 page buttons, enabling you to create 8 fixture groups
- 20 number buttons, simplifying selection
- Jog wheels + error keys for easy scrolling
- 99 steps per programmable sequence
- Add/insert/clear functionalities (double layer)
- Lamp on/Lamp off - reset
- 255 effects (pant/tilt/swing,delay, bpm functionalities) on any channel
- Effect macros - easy recall of parameters
- 160 presets on any channel
- Fan control
- Invert channels per scene

Playback
- Each cue containing 4 sequences running simultaneously
- Sequence trigger and run modes: internal clock, manual, audio, BPM (with record mode)
- Functionality for cue lists (go, chase, wait functionality)
- Easy control of generic dimmers
- Sequence options: forward, backward, bounce, random
- Assign different spectrums of the music as trigger for any parameter of the fixture(s)
- 6 Faders and flash buttons for parameter control and direct access scenes during playback
- Up to 6 manual override scenes/ sequences during playback on faders
- Auto-start function with lamp on etc.
- 4 Programmable custom buttons.
- Jog wheel to scroll through fader pages

- Dim button for direct access to dimmer channels
- 8 Pages of cues and fixture groups
- 20 General purpose buttons to select cues or fixtures directly
- Access pan/tilt easily of any fixture via Joystick
- Master - pitch intensity - black out and flash. Can increase the speed by a factor of 5 t
- Pitch control and freeze
- 6 faders for cross fading sequences/ scenes
- Jog / scroll wheels for playback pages (up to 160 pages)
- 4 direct access buttons
- Start and stop each sequence separately
- Step and sequence options - forward, back, bounce and random (One shot freeze/release for sequences)
- Manual override fixtures and dimmers during show
- Up to 6 scenes during playback on faders. 1 background scene and 4 sequences can run at the same time

PC Link
- Export / import shows via USB to PC as a backup option.
- Export / import libraries via USB to PC
- Firmware update via USB to PC
- PC application platform: Windows 2000, XP
- Off-line vizualizer in 2005

Hardware
- 1x DMX in (5P XLR male)
- 1x DMX out (5P XLR female) and 1x DMX out (3P XLR female)
- 1x MIDI in (DIN5 female)
- 1x MIDI out (DIN5 female)
- 1x MIDI through (DIN5 female)
- 1x audio in (5mm mono jack)
- 1x internal microphone
- 1x IIC expansion port (DIN5 female)
- Soft wrist pad for comfortable control
- USB A connector for desk light
- USB B connector for PC link
- DMX in –HTP mixing with DMX out.
- Xciter can test and check the DMX loop cable between in/out
- Training DVD

2518
Controllers

This capable controller offers what a good controller should - ease and speed. The 2518 is an easily programmable DMX controller for fast access to DMX controlled fixtures. It is a dedicated DMX controller for smaller applications.

The 2518 can be manually or automatically triggered or can be triggered from a music input circuit, guaranteeing a dynamic and precise show. Additionally it is possible to call up preprogrammed sequences or certain scenes via MIDI to enable bands to control their lighting with their music or to create integrated show control applications.

The 2518 is recommended for fixtures using up to 6 DMX channels, such as the Punisher, Destroyer, SynchroZap, Acrobat, Wizard, Atomic, MX series, CX series, and the Switch Pack.

2518 preprogrammed show

Two different preprogrammed shows are available for download at www.martin.dk. It enables the 2518 to be used as a playback controller for up to 8 MX-1 units or a single MX-1 combined with Acrobats or SynchroZaps. The show is divided into three groups; slow, medium and fast, for easy selection of the appropriate show to fit the mood of the music. It also features an instant strobe function and manual override of all fixtures and their functions.

Hardware
• 19" rack mount controller with 6 faders and 2-digit display
• 72 DMX channels
• Generally advisable for use with fixtures using up to 6 DMX-channels
• Internal microphone

Software
• Eprom software
• Upload/Download facility

Programming capacity
• 30 banks with 6 scenes can run as a sequence

Programming facilities
• 12 groups of 6 channels can be programmed together or individually
• Edit programs directly on Windows PC

Playback facilities
• Direct access to all functions
• Manual override

Included
• 5m XLR cable
• Termination plug

Trig sources
• MIDI Notes and Program Change
• Sound (via internal microphone)
• Manual
• Auto rate

Power Supply
• EU: 210 - 250 V, 50 - 60 Hz US: 100 - 130 V, 50 - 60 Hz

Measurements
• Dimensions: (L x W x H) 483 x 65 x 89 mm (19 x 2.6 x 3.5 in)
• Weight: 2.0 kg (4.4 lbs)

Accessories
• Freeware Windows program for backup and editing of light programming

Freekie
Controllers

Add lighting control to your scratch, backspin, bend, drag, brake and power down.

The Freekie is a new DJ controller that adds instant lighting control to the dancefloor mix.

Packed with easy to use features, Freekie also offers easy pitch control for instant lightshow to music synchronization. Freekie comes with instruction/traning DVD to make it even easier to get started.

Freekie allows control of up to 12 fixtures, each with 12 channels, and there's a joystick for easy pan/tilt adjustment. A master fader allows you to instantly fade all fixturessmart macro function, and there are multi-purpose buttons which you can customize to control additional DMX units, such as strobe and smoke machines.

For audio-controlled shows there is the choice of either external signal input or the Freekie's own internal microphone.

Even with Freekie's easy-to-use features, DJs can also create complex light shows. Freekie's real DMX fade times allows for smooth movement and synchronisation.

Hardware
- 19" rack mount controller with 12 faders and blue LCD display.
- Suitable for fixtures using up to 12 DMX channels
- Built in microphone or external audio input

Programming capacity
- 10 banks each with 12 shows (sequences)
- 168 DMX channels

Programming facilities
- 12 groups of 12 channels can be programmed together or individually

Playback facilities
- Direct access to all functions
- Manual override

Trig sources
- Midi notes, supports 3 MIDI banks, 36 shows
- Sound (via internal microphone or external audio input)
- Auto rate

Power Supply
- AC9V/ 1A

Measurements
- Size (L x W x H):
  482 x 176 x 95 mm
  (19 x 7 x 4 in)
- Weight: 2.8 kg (6 lbs)

LightCorder
Controllers

The LightCorder is an easy to operate lightshow recorder that allows you to record and playback any DMX-512 output in real time.

It lets you record from 53 minutes up to a full 28 hours of DMX output. Simply connect the DMX outlet from any lighting console to the LightCorder's DMX-in and you're ready to go. Total recording time depends on the desired refresh rate and number of DMX channels used.

With LightCorder you can playback a recorded light show from start to finish at the touch of a button. You can have the show loop up to 255 times or loop continuously. Playback is easily set up on the included Scheduler software, uploaded via the RS-232 connection and then saved onto the LightCorder.

LightCorder will also function as backup and take over automatically if the main controller fails.

The handy WindowsTM Scheduler for easy set-up and maintenance of light shows includes a complete show calendar for easy organization. The Scheduler can be used to program a light show to start at any given time or date.

For added show control, three multi-purpose custom faders can operate any lighting parameter assigned to them for instant access to intensity, color, strobe or whatever functions desired.

Record and playback
• DMX 512 on 3 pin XLR

Selectable refresh rate
• 10, 20, 30 or 40 Hz

Standard memory card
• 64 Mb

Selectable channels
• 64, 128, 256 or 512

Minimum recording time:

• 40 Hz@512 channels = 53 minutes
  at 64Mb

Maximum recording time

• 10Hz@64 channels = 28 hours
  at 64 Mb

Selectable show loops
• 1-255 or continuous

Power supply
• 90-260 V @ 50/60 Hz

Power consumption
• 15 VA

RS 232 interface
• for upload/download
  from any computer

Measurements
• Size (L x W x H):
  483 x 65 x 89 mm
  (19 x 2.6 x 3.5 in)
• Weight: 1.65 kg (3.6 lbs)

MC - Showtime
Controllers

Instant "show time" is now possible with this user-friendly, plug and play show controller from Martin. MC Showtime is a pre-programmed "ready to go" controller offering 30 ever-changing light shows for the Martin CX and MX series, the ego X4, the Wizard Extreme, the SynchroZap and Acrobat intelligent effects.

Easy to set-up and operate, MC-Showtime houses 10 slow, 10 intermediary and 10 hyper light shows, giving you the flexibility to set the mood.

MC-Showtime controls four or more MX-scanners (MX-1 or MX-4, depending on the MC-Showtime model) automatically, manually, or by triggering any of the 30 preprogrammed 6-scene sequences.

Hardware
- Housing: aluminum
- Built-in microphone
- 7-button 2-digit display
- 3-PIN female XLR data out connection

AC Supply
- Input: 3-prong IEC male socket
- EU: 220 - 250 V / 50 Hz
- US: 110 - 120 V / 60 Hz

Playback Facilities
- 30 different 6-scene sequences
- Easy execution of shows
- Slow, medium, fast and auto-selection of show
- Blackout, strobe and manual override

Trig Sources
- Sound
- Automatic
- Manual

Measurements
- Dimensions (L x W x H): 143 x 114 x 78 mm (5.6 x 4.5 x 3.1 in)
- Weight: 1 kg (2.2 lbs)

Included
- 1.5-meter IEC power cable
- 5-meter 3-pin XLR data cable
- 3-pin male XLR termination plug
- User manual

Accessories
- 19 in (48.26 cm) rack mount plate for 1 controller
- 19 in (48.26 cm) rack mount plate for 2 controllers

Controllers

MC Switch
Controllers

The MC switch lets you power up and down 6 fixtures such as lights or mirror balls, with the option of daisy chaining up to 24 units through four power boxes via RJ 45 patch cables with a maximum of 20 meters (66 feet) between power and control box.

The MC switch controls lights and effects; such as Mania's, Ego's, T-Rex, Raptor, or mirror balls. The control is a mains power on/off digital switch which is controlled via a 6 button remote control with on/off buttons. It may be used as either a table mount or a rack mount with a clamp and M10 Bolt.

Extremely easy to install, set-up and use, the MC Switch has a robust design with sturdy ruber buttons.

Electrical:
- 115-120 V- 60 Hz
- 220-240 V- 50 Hz (3-prong IEC male socket)
- AC power output:
- 6 channels, max 300 watts per channel - US max 250 W per channel

Hardware:
- Housing: Steel

Included Items:
Power box
- Control box
- 2 meter mains cable
- 10 meter RJ 45 cable

Measurements:
- Size power box: (L x W x H): 355x155x75 (14x6,1x32in)
- Weight power box: 1,85 Kg (4 lbs)

Measurements
- Size (L x W x H): 142 x 113 x 75 mm (5.6 x 4.4 x 3.0 in)
- Weight: 1 kg (2.2 lbs)

AC Power
- Input: 3-prong IEC male socket
- EU version: 220-245V/50Hz
- US version: 110-120V/60Hz

Controllers

LightJockey
Controllers

Easy to use and logical, LightJockey is a powerful PC-based DMX controller which uses all the benefits of the Windows environment such as resizing of windows and drag and drop technology.

It consists of an easy to install program and a PCI, PCMCIA or USB interface with either 512 or 2,048 DMX channels capable of controlling up to 100 DMX fixtures. This flexible system is the perfect controller for clubs, lounges, events as well as the mobile DJ market. The Light Jockey Manager touch screen control, included with every Light Jockey, expands the possibilities even further, enabling tailor-made solutions for installation and architectural applications.

The system is user friendly and even contains a large help file addressing FAQ's and other trouble shooting information as well as a large fixture library. The system is also very user-friendly. For example, when a fixture is chosen from the fixture library, its functions are shown graphically. And LightJockey has an advanced shape generator for fast and intuitive automated movement programming.

Functions include a 3D Visualizer, a visualization simulator capable of creating realistic, solid, 3D beams. This simulator allows you to create virtual visualizations off-site.

LightJockey interfaces with Winamp™ to play a multitude of digital audio files including MP3. LightJockey includes audio CD ROM capability as well. It also supports SMPTE and MIDI time code with suitable interface. A show-saver backup feature ensures that your shows will not be lost.

Options
- CD-ROM for audio CD time code.
- Windows compatible Soundcard for audio trigging
- Windows compatible MIDI card for MIDI NOTE triggering
- 2532 Direct access panel for easy selection of cues and sequences
- MC-X remote control
- 2510 Playback controller
- 2518 Direct access
- Fingers

The LightJockey package
- Get started manual
- Martin LightJockeyDMX Software - Control Software on CD-ROM with online user manual included
- Martin DMX IN/OUT interface card, PCI, PCMCIA or USB
- LightJockey Manager

DMX Interface options
- USB: 512 out
- PCMCIA: 1024 out or 512 in/out
- PCI-512: 512 in/out
- PCI-2048: 2048 out or 1536 out / 512 in (optical isolated)

Programming facilities
- Up to 100 fixtures
- Fixture library: All Martin (DMX) fixtures, user-definable fixture profiles for non-Martin fixtures (more than 100 profiles included), generic DMX profiles
- Control: graphical control of all fixture parameters
- Visualization: integrated 3D visualizer for programming fixtures offline
- Effects(macros): Add powerful effects to any function such as pan and tilt.

Programming capacity
- Cues: 9999
- Sequences: 9999
- Scenes: 999 per sequence

Trig sources
- Manual
- Auto
- DMX in
- Audio input using FFT analyzer
- MIDI

Playback facilities
- Manual override with direct access to all functions
- Cue contains 12 sequences that can be adjusted on fade time overall or individual
- Independent background cue with 5 parallel sequences
- Master intensity control + 8 configurable intensity groups
- Blackout and fade out function
- Cue list for synchronization with timer, digital audio or Audio CD-Rom time code
- Go button for manual cue lists
- Audio analyzer for trigging sequences by audio
- Assignable keyboard hotkeys for faster access
- Smoke control independent from programming
- Follow spot function
- Function and DMX channel override via DMX in (depending on interface type)

Control & Programming
- Cue list time code synchronization (CLTCS): Internal timer, including 24-hour clock
- CLTCS: Audio CD time code from CD-ROM drive
- CLTCS: Digital Audio (MP3, Wav, etc.) time code using Winamp ™
- CLTCS: MIDI Time code, SMPTE with suitable SMPTE/MTC interface

Minimum System Requirements
- Standard PC with Pentium 200 MHz or equiavent
- 64 MB RAM
- Monitor resolution of 800 x 600 in 16 bit colors, with small fonts
- Windows 95/98/ME/2000/XP
- Free port or slot for DMX interface hardware
- 20+ MB hard disk space

Included items in Light Jockey Package
- Light Jockey Manager - touch-screen control, user-friendly and definable

Fingers
Controllers

Designed as a hardware interface to make Martin's popular LightJockey® software even more intuitive and accessible, Fingers allows the PC to keep pace with your imagination.

Fingers is a new, robust, front end, dedicated to the well-known Martin LightJockey® – a Windows (PC/Laptop) based, lighting controller that lets you interface either 512 - 2048 channels and is capable of controlling up to 100 DMX fixtures.

Supporting a highly customizable setup, Fingers permits a large number of the LightJockey® functions to be mapped directly to physical faders, buttons and jog wheels. This gives the user an easy, hands on live-show and play-back control.

Function Examples:
• Launching programs directly from buttons
• Next, previous and go functions for manual cue lists
• Triggering of individual or multiple sequences or turning them on or off from buttons
• Latching specific cues/sequences
• Master and sub-master intensities from faders and bump buttons
• Override specific DMX output channels via faders
• Dynamic play-back timing control from faders or jog wheels
• Fog/smoke-haze control

Control elements
- 73 keys, 13 faders, 5 jog wheels,

Power supply
- External power supply (plug 2,1 mm) 7,5-9 VAC, 500 mA voltage max

Interface
- RS 232 (serial port, SUB-D 9pin female - compatible with standard USB to serial converters for PC´s without RS-232 connectors)

Cable
- DB-9 RS 232 data cable included

Certification
- CE, UL

Housing
- Ground case steel, front plate aluminum

Measurements
- (LxWxH) 413 mm X 309 mm x 45
- Weight: 2,65 Kg

Martin ShowDesigner
Controllers

Martin ShowDesigner Available in Gold and Silver Editions

Martin ShowDesigner (MSD) is a unique and user-friendly lighting and set design software package, brilliant for developing realistic 3-D lighting simulations. Invaluable as a high quality production or sales presentation tool, MSD allows you to create realistic set and lighting design renderings using reflection, transparency, lighting, shadow and smoke.

MSD now comes in the full 'Gold' version and a new streamlined 'Silver' version containing all the critical design components of the software, but customized to your needs and budget. Working closely with an array of lighting professionals from both the architectural and entertainment industry over the past year, Martin has concentrated on identifying the key elements in the ShowDesigner software. These form the heart of ShowDesigner Silver while the more advanced features such as Rendering and the 3D Visualizer module are now only found in Gold.

In separating the full Gold package from the essential Silver, Martin gives you the choice to get exactly what you need, and if those needs change, ShowDesigner Silver is totally upgradeable.

The MSD Silver version is also the perfect package for owners of Martin LightJockey software who would like to build custom scenes in the Lightjockey 3D Visualizer. The MSD Silver version comes included with the Maxxyz controller.

The MSD package contains:
- Software on CD-ROM
- Installation instructions
- Quick start/user manual
- Hardware protection key

Software
- Windows 98/ME/2000/XP software (XP is strongly recommended)
- Program and fixtures updates on Martin homepage
- Control & Programming

Connection and interface (MSD Gold Only)
- MSD connects to any controller that has DMX-in (Optional DMX interface card necessary)
- MSD also connects to other controller or Ethernet box via LAN (Artnet (MAXXYZ), Compulite, Avolite)
- MSD can connect to various software using internal driver (Martin LightJockey Martin Proscenium, HogPC, Sandnet, Horizon)

Optional DMX interface hardware: (MSD Gold Only)
- Martin PCI Card 2048 ch in/out (up to 4 cards)
- Martin PCMCIA card 1024 ch in/out (up to 2 cards)
- Martin Ether2DMX interface

Programming Capacity
MSD structure:
- Complete, stand alone, 3D lighting design/control system (no other CAD software required). Consists of a Modeler, ShowDesigner, Paperwork, Fast Net-Render and 3D Visualizer section
- *Modeler:* building your own libraries of objects/set pieces
- *ShowDesigner:* build a set, placing fixtures, controlling fixtures, programming cues, preview, show and create realistic renderings of your scene. The precise rendering includes in its calculation: intensity, textures, reflections, refraction, absorptions, shadows and even smoke settings. *(Rendering is only available in MSD GOLD)*
- *Fast Net-Render: (MSD Gold Only)* Networked rendering between multiple Windows based PC's cutting rendering time dramatically.
- *Paperwork:* Print fixture layout, instrument schedule, patch list, fully customizable layout.

- *3D Visualizer: (MSD Gold Only)* visualization (pan/tilt of beams, indexed and rotating gobos, iris, color wheels, CMY color mixing, shutter/dimmer/Strobe, zoom, Color scroll, framing system) of fixtures, using DMX from a controller, Video input
- *Incorporated:* user customizable fixture libraries (Martin and various other fixture definitions included) Gobo editor to draw you own gobo, DMX viewer to monitor data coming in or out of the MSD, IES to MSD fixture profile converter.

Programming Facilities
- Fixtures are automatically patched at a free DMX address
- Fixture control of all parameters
- Program light cues/cue storage *(MSD Gold Only)*
- Cues contain basic timing and link information *(MSD Gold Only)*

Playback Facilities
- Offline program for real time monitoring of 3D light setup *(MSD Gold Only)*
- Preview show using simple playback *(MSD Gold Only)*

Import/export formats
- MSD import: DXF/BMP/X-files and IES photometric
- MSD export: BMP/JPEG files

Minimum System Requirements
- Windows 98/ME/2000/XP operating system
- Pentium processor III
- Memory: 128 Mb Ram
- 200 Mb hard disk space
- USB 1.1 or 2.0 port (for the USB Protection Key)
- SVGA card High color (min. 1024x768, 16 bits)

Recommended System Requirements
- Windows 2000/XP operating system
- Pentium 4 processor
- Memory: 512 Mb Ram
- 500 Mb hard disk space
- USB 1.1 or 2.0 port (for the USB hardware protection key)
- SVGA card True Color 24 Bit (1024 x 768, hardware accelerated, 64 Mb ram, Direct X support)
- For intensive rendering, the faster the processor the quicker the result

Controller Tools

Controller Tools

The Wife/The Wife-Updater
Controller Tools

The Wife DMX Tester

The Wife is a sophisticated DMX and MIDI analyser, yet remarkably compact and simple to operate. More than just an excellent faultfinder, the Wife provides all the features regularly required by stage technicians.

As a small hand-held DMX 512 receiver and transmitter, the Wife operates as a Moving Lamp tester, a Flicker Finder or as a Rigger's Remote. It is powered by an internal rechargeable battery with a normal life of 25 hours, and uses a high brightness backlit LCD screen.

A built-in fixture personality library can test all the attributes of over 200 lamps. Up to 36 channel attributes can be tested, and the fixture library is editable and customisable.

Also available are 12 preset memories, which contain individual level settings for all 512 channels. Presets can be programmed with pre-defined patterns, by adjusting individual channels or by capturing received data. All data is held in flash memory, so that your preferred settings are always kept intact.

The Auto-Backup feature allows the Wife to monitor received DMX512 and, should the signal fail, switch one of the 12 Presets to the output. If the backup mode is triggered, the user can snap between various presets. There is also a handy Power Save option that can also be disabled to allow the Wife to transmit continuously. This is useful when being used as a battery powered DMX buffer. The Wife DMX Tester comes with a nice protective pouch and a set of 5 pin / 3 pin converters.

The Wife Updater

The Wife Updater is a Windows application that allows users to expand the capability of their Wife DMX Tester.

The Updater consists of a special cable which needs to be purchased and a piece of software which is available for download from the main Martin website. The software needs to be installed onto a PC running Windows 95 / 98 / 2000 / ME / XP and additional downloads to this software can be made following the navigation instructions within the software. The software is then used for a number of functions which can then be uploaded directly to your Wife via the special cable.

Power
• 300mW

Input Voltage
• 9VDC

Signal Connection
• XLR5

Rear Mounting
• Single M4 x 20 mm

Listing
• CE FCC

IP Rating
• Indoor use

Charger Voltage
• 90-250VAC

Measurements
• (L x W x H)
  98 x 125 x 45 mm
  (3.9 x 4.9 x 1.8 in)
• Weight: 0.53 Kg
  (1.2 lbs)

The Wife Updater features:
• Edit up to 100 lamp personalities
• 200 pre-programmed personalities
• Edit all 12 Memories
• Generates custom test patterns
• Setup parameters such as Start Code,
  Power Save
• Customized power up screen
• Customized menus
• Customized bar graph fonts
• Live DMX512 control for editing
  personalities

Controller Tools

MP - 2
Controller Tools

The MP2 is a fixture software uploader and maintenance device that works together with the Martin software uploader program v.4.0 (Windows PC required). It allows you to update software and adjust settings on selected Martin fixtures remotely via the serial link.

For storage, the MP-2 uses a flash card that holds multiple fixture personalities. The MP-2 ships with an 64MB card that holds up to 28 fixture personalities. The flash card is easily changed if more fixture personalities are needed.

Furthermore the MP-2 features a DMX trouble shooting tool that may be used to edit and send DMX values to connected fixtures or monitor incoming DMX from consoles. It is possible to record up to 16 snapshots of DMX input or DMX output for easy restore of these values at a later point.

Hardware
- Aluminum housing with rubber fenders
- 20 x 4 LCD display and 8 navigation keys
- DMX IN /OUT connection
- Slot for memory flash-card
- 64MB memory flash card included

- In-built collapsible legs for table use
- Brackets for 19" rack mounting included

Software
- Up to 28 fixture personalities on an 64MB flash card
- Upload fixture software
- Remotely adjust fixture settings
- DMX monitor
- DMX editor
- 16 storable snapshots

Electrical
- AC input: 3 pin IEC male socket
- AC voltage 90-250V, 50/60 HZ

Measurements
- Size: (L x W x H)
  390 x 60 x 132 mm
  (15.3 x 2.4 x 5.1 in)

Weight
- 1.65 kg (3.6 lbs)

Supported fixtures
- MAC 2000
- MAC 600
- MAC 550
- MAC 500
- MAC 300
- MAC 250 series
- MiniMAC Profile/Wash
- MiniMAC Maestro
- RoboScan Pro 918
- Exterior 600
- Exterior 600 Compact

2510 Playback
Controller Tools

This powerful yet small playback controller handles all Martin lighting products. By combining individual scenes into sequences, the 2510 allows you to build a comprehensive Martin lightshow with a minimum of effort. A standard serial input enables you to download lighting programs from the Martin LightJockey or ProScenium controller.

The 2510 offers fully automatic operation and steps through memory sequences with no other prompting other than the internal clock or an external music signal. Manual mode allows for easy operation and a blackout function provides for even more extensive control.

Hardware
- 19" controller with 2-digit LED display
- 512 DMX channels Built-in microphone
- RS-232 input

Software
- EPROM software

Programming capacity
- 8024 scenes

Programming facilities
- Download from the LightJockey or ProScenium controller via serial interface

Plackback facilities
- Easy selection of up to 99 sequences or up to 10 sub-lists of sequences
- Blackout function

Trig sources
- Music, Auto, Manual

Included
- XLR cable 5m
- 25 SUBD - 9 SUBD
- Termination plug
- User manual

Electrical
- Power Supply:
  EU: 210-250 V, 50-60Hz;
  US: 100-130 V, 50-60 Hz
- Power consumption:
  11 mA, 2.5 W @ 230 V

Measurements
- (L x W x H)
  483 x 65 x 89 mm
  (19 x 2.6 x 3.6 in)
- Weight 1kg (2.2 lbs)

Controller Tools

DMX Switchpack
Controller Tools

This DMX-controlled switching device allows you to turn on and off up to six 350 watt devices with the Martin 2518 DMX Controller or any other DMX board.

It allows you to control non-intelligent lights as well and is ideal for combining fixtures from Martin's DJ Series with intelligent lights. The DMX SwitchPack is ruggedly built for years of trouble-free use and comes with either U.S. or I.E.C. (EU) connections.

Construction
- Housing: steel
- Finish: electrostatic powder finish

Control
- Protocol: DMX-512
- DMX values, output power off: 0 - 127
- DMX values, output power on: 128 - 255
- Channels: 6
- Address range: 1 - 512
- Receiver type: RS-485

Measurements
- L x W x H: 250 x 150 x 71 mm (9.8 x 5.9 x 2.8 in)
- Weight: 2 kg (4.4 lbs)

Electrical, EU version
- Power supply: 210-245 V / 50-60 Hz
- Maximum total power consumption: 2200 W
- Maximum power per channel: 350 W
- Main fuse: 10 A / 250 V time delay (T)
- Output fuses: 2 A / 250 V time delay (T)

Electrical, US version
- Power supply: 100-130 V / 50-60 Hz
- Maximum total power consumption: 2200 W
- Maximum power per channel: 350 W
- Main fuse: 20 A / 250 V time delay (T)
- Output fuses: 4 A / 250 V time delay (T)

Panel connections
- Data input: 3-pin XLR male
- Data output: 3-pin XLR female
- Power outputs, EU version: 6 x IEC grounded female
- Power outputs, US version: 6 x standard grounded female

516 - II Converter
Controller Tools

The 516-II converter is a handy tool which converts DMX to 0-10 V analogue output. It can be used to control analogue dimmers or anything that requires a standard 0-10 V control voltage.

The 516-II converter features:
- Martin or DMX protocol input
- 16 individually controlled 0-10 V outputs
- High analogue resolution and fast response
- 4 x 5 pin DIN output and 1 x 25 pin SUBD output

Measurements
- L x W x H:
  482 x 125 x 89 mm
  (19 x 4.9 x 3.5 in)
- Weight
  2.8 kg (6.1 lbs)

Electrical
- Power supply settings:
  115/230 V, switch selectable
- AC frequency: 50 - 60 Hz

Connections
- Serial data in:
  3-pin XLR male,
  pins 2 and 3 switchable
- Serial data out: 3-pin XLR
  female, pins 2 and 3 switchable
- Analogue output: 5-pin DIN female,
  25-pin DSUB male

Controller Tools

RS 485/DMX Optosplitter
Controller Tools

This optically isolated splitter amplifier allows you to add 4 branches to the data link. Optical isolation of each branch increases link reliability by preventing a failure on one branch from interfering with operation on other branches.

Amplification of the signal output allows the link to be extended over the maximum length specified by the DMX-512 standard. In addition, each branch of the link may be treated as an independent link with up to 32 fixtures each.

Several splitter amplifiers may be used on the same link if additional branches are required.

Electrical
- Power supply settings: 115/230 V, switch selectable
- AC frequency: 50 - 60 Hz
- Fuse: time delay (T) 0.125 A / 250 V

Front Panel Jacks
- Input: 3 pin XLR male
- Thru: 3 pin XLR female
- Outputs: 4 x 3 pin XLR female

Data Link
- Electrical standard: EIA-485
- Cable type: Shielded twisted pair
- Cable gauge: 22 or 24 AWG
- Cable impedance: 120 ohm
- Maximum length per branch, 22 AWG: 500 m (1640 ft)
- Maximum length per branch, 24 AWG: 300 m (1000 ft)
- Maximum load per branch: 32 fixtures

Measurements
- L x W x H: 293 x 108 x 49 mm (11.5 x 4.25 x 1.9 in)
- Weight: 1.4 kg (3.1 lbs) (16.0 x 19.3 x 29.3 in)

Controller Tools

Ether2DMX
Controller Tools

The Maxxyz Ether2DMX unit enables you to extend the number of DMX universes on the Maxxyz console, creating up to 16,384 channels.

It also lets you place your DMX universes in a remote location, connecting them to the console through a single Ethernet cable. A simple and intuitive display allows for easy customization of the system setup, both with options on DMX and Ethernet.

Electrical

- Power supply settings 115/230V
- Switch selectable
- AC frequency 50-60 Hz

Data connections

- 4xDMX-512 Outputs or 4xDMX-512 Inputs (Can be individually configured)
- 1x Ethernet connction 10Mbit RJ-45 Neutrix
- Electrical standart EIA-485
- Cable type: Shielded twisted pair
- Cable gauge: 22 or 24 AWG
- Cable impedance: 120 ohm
- Maximum length per output 22 AWG 500m (1640 ft)
- Maximum length per output 24 AWG 300m (1000 ft)

Controller Tools

Ethernet Switch
Controller Tools

The Martin Ethernet switch is designed to allow full logistic capability within large lighting control systems featuring multiple control consoles and increased numbers of DMX universes.

In addition the Ethernet Switch permits you to expand the distance possibilities beyond the conventional 100 meter cable constraints using its internal signal buffer.

Working together with the Ether2DMX box and the Neutrik Ethercon converter, the Ethernet Switch analyses the data processing stream and forwards it to the required destination.

Its hardware is configured for lighting control applications and routes data between all the equipment connected in the network, detecting straight and cross over cables usage. It connects the network via its 8 ports 10/100 T-base and transmits or receives frames at full speed. (Maximum full frame lengths set to 1536 bytes)

Auto-negotiation: the switch automatically detects 10Mb or 100Mb devices on its ports and automatically switches between half and full duplex mode. MDI/MDI-X Auto-crossover can be used as for straight or crossover cables freely to connect your devices. The switch automatically detects straight or crossover connections and adapts its ports. The look up engine will delete the address record every 5 minutes.

Ethernet Switch automatically disables unnecessary functionality that would otherwise disturb a lighting control system. The front plate has an 8x3 LED matrix which displays 10Mb activity, 100Mb activity and collision per port.

Ideal for large lighting installation, events, concerts, or anywhere the high capacity Maxxyz controller is used.

Electrical
- Electrical:
- 90 VAC-260 VAC – 50-60 Hz

Data-connections:
- 8 Ethernet ports - Neutrik - RJ 45

Hardware:
- 19 inch 1U aluminum casing x 110 mm depth

Measurements:
- 19 Inch 1U aluminum casing x 110 mm (4,3 Inch)
- Weight: 1,4 Kg (3,6 lbs)

Included:
- Martin Ethernet cable UL/IEC approved, 5 Meter

Controller Tools

PowerSwitchPac-12
Controller Tools

The PSP-12 gives you easy DMX control of interior and exterior light sources and many other devices. Completely DMX512 compliant, the PSP-12 is a smart and reliable way to control your power installation, saving you time. And using high quality power relays the PSP-12 will noticeably reduce your installation costs.

Safe and reliable operation makes the PSP-12 the perfect power distributor of your system while individual circuit breakers, one on each output, protect your installation against short circuits and overloads.

The PSP-12 has a Bypass Safety Switch that allows manual control of all outputs and the DMX address switch is selectable using the pole DIP switches.

The DMX protocol gives individual control of all output channels. A high power output of 2300 watts (230 V) on each channel makes it possible to connect nearly any device.

Multiple devices can also be connected to the same output with the status of each output clearly indicated through the PSP-12's LEDs.

This industrial grade, quality product will give you reliable operation over many years enabling you to upgrade existing systems or install cutting edge intelligent power installations.

The PSP-12 is perfect for installation in shops, show rooms, exhibitions, studios, shopping malls, venues and offices. In fact, the PSP-12 can provide simple, cost efficient intelligent DMX control and power installations anywhere required. One switch to turn on/off - control a complete installation.

Electrical:
- 3 x 115 / 230 V AC+-7%, 3 x 32 A (Max) 30 V AC +-7%
- Mains cable Ø diam, mm (5x) 4-10 mm2 - EU through PG29 / US through 1/2" EMT
- Input cable diam Ø: AWG 9-14 outer Ø diam, mm /PG 16 EU version / US version through 1/2" EMT
- Power consumption: 3-25 W
- Outputs: 12 channels, max. 10 A. circuit breakers, type C (max load 12x8 A total), (3x) 0,5 - 4 mm2, mm. Ø / US version through 1/2" EMT

Data connections:
- DMX Control In/out: XLR 5 pin - converter 5-3 XLR included
- Address setting: 10 pole dip switch

Hardware:
- Steel housing

Measurements:
- Size: 133 x 482 x 390 mm (5.25" x 19" x 15.33)
- Weight: 11 Kg (24 lbs)

Approvals:
- CE (UL,CSA will follow)

Included:
- Mains cable, XLR converter

Controller Tools

Wireless DMX-512 and
Wireless DMX-512 ProDiversity
Controller Tools

The easiest way to connect remote fixtures to your DMX system.

With the new WirelessDMX-512 your light and effect fixtures no longer lie at the end of 100 miles of winding, tangled cable and loose connectors. Instead they need only sit within range of the WDMX-512 transmitter box, and not even within line of sightal though this is preferred.

The WDMX-512 operates through radio signal, via a powerful FCC approved WLAN card, and is transmitted between the mother box and receivers up to a distance of 200m (650ft) and 450m (1,500ft) with the ProDiversity. One transmitter can send to multiple receivers and access points can be used to expand the transmission distance.

Parameters for the WDMX-512 are effortlessly configured and WLAN channels are easy to setup using a standard PC and included software. (Those without Windows based PCs can use a standard terminal program to a specifically described configuration mode), whereas the ProDiversity has built-in function buttons and a display.

The wireless link operates on powerful WLAN-PCMCIA cards, ensuring flexibility, low costs, instant compatibility and high performance. The receiver is tolerant of any DMX input refresh rate and automatically truncates the output to approximately 44 Hz converting the output to standard DMX-512.

Developed with architectural and dynamic lighting systems in mind, the compact and economically priced WDMX-512 is expandable to over 5600 DMX channels (EU version excluding France and Spain).

A diversity receiver ensures the WDMX-512 functions with high sensitivity, allowing multiple WDMX-512 sets to operate within the same area without interference from other wireless equiptment such as mobile phones or walkie talkies. Preferred minimum distance for US version is approximately 6-10 meters (20-33 feet).

Indicators for current channel and its signal strength, transmitter or receiver status, power and DMX come standard. The WDMX-512 has a mounting base for easy installation on vertical and horizontal surfaces.

Electrical:
- Mains inlet: 230 V AC/ 115 V AC (IEC connector)+-7% (Power consumption: 10 W)

Data connections:
- DMX In/Out: 5 Pin XLR -
  (XLR 5-3+3-5 Pin converters included
- Configurations / interface Windows based CD/Disk - using a RS 232 cable

Operations frequency:
- 2,4 GHz DSSS (Direct sequence and frequency hopping spread spectrum

WLAN Card:
- 802.11B, PCMCIA, Prism-II chipset or compatible. License-free broad band
- Output power: 100 mW – EU – 250 wW US versions
- Approvals: FCC, UL, CE, IEC – 802.11 B

Hardware:
- Steel housing
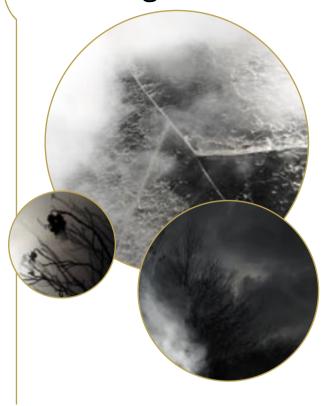
Programming capasity:
- 1 DMX 512 universe spread out to maximum 13 channels
- Included items: SUB 9 Pole serial cable
- PMCCIA WLAN card
- Power cord
- Hyper terminal setup configuration disk and CD
- 5-3/3-5 pin XLR converters

Measurements:
- Size: 380 x 190 x 95 mm
  (14,96 x 7,48x 3,74 inch)
- Weight: 2,5 Kg (88 oz.)

Controller Tools

JEM Fog

Jem is recognized as one of the leading producers of fog, haze and heavy fog machines in the world. Indeed, Jem products can be found throughout the touring and club markets, and over the years have built up a reputation for unique, reliable products.

Jem offers a complete line of fog, haze and heavy fog machines as well as a broad line of popular fluids. Long established as the king of the road when it comes to the demanding grind of the international touring circuit, Jem products have toured the world with the biggest names in Rock, Pop, theatre and stage.

Indispensable complements to today's dancefloor lighting effects, Jem Fog machines and hazers have truly earned the term "industry standard".

Martin Professional acquired Jem Smoke Machines in 1996, adding its R&D strength and mass production power to the successful Jem mix. Jem is ISO 9001 accredited, an internationally recognized standard of quality in manufacturing and administrative procedure and documentation.

Heavy Fog:
Glaciator X-Stream

Haze:
ZR24/7 Hazer

Fog:
Roadie X-Stream

ZR33 Hi-Mass

ZR12 DMX

ZR12 AL

Jem Fog

Glaciator X-Stream
Jem Fog

Glaciator X-Stream: The last word in Heavy Fog

The Glaciator X-Stream from Jem brings you a total, ground fog effect solution in a self-contained unit. Dispensing with the cost and logistical mess of Dry Ice and CO_2, the Glaciator X-Stream utilizes the simple but immensely effective Jem heavy fog fluids and a radically advanced, closed loop refrigeration system; bringing you an all terrain, all applicable heavy fog solution.

The Glaciator X-Stream houses a remarkably powerful compressor, allowing colossal fog output. And because of its advanced, electronically controlled expansion valve, it has a rapid freeze down time and a fast recovery when fired. This means the Glaciator X-Stream runs continuously, - almost infinitely, with a cool ease.

Its chassis design, with two high velocity fans and smart-flow ventilation, also keeps the Glaciator X-Stream ticking in environments of high ambient temperatures. And keeping an eye on internal components is done with an unparalleled simplicity using the Glaciator X-Stream's Internal Diagnostic Assistance.

Featuring a Power Save System when passive, the Glaciator X-Stream is conscientiously efficient with energy and sound, and its cooling fans have a low noise operation when idle, benefiting theatrical and studio applications.

The Glaciator X-Stream also has the option of an external fluid supply; allowing voluminous levels of heavy fog fluid to be stored up to 100 meters away from the unit and at a depression of up to 6 meters.

Where silence is golden and space is rare, the Glaciator X-Stream's remote ducting system allows you to place the unit up to 10 meters away from its application area. A great solution, the remote access system does not in any way compromise the Glaciator's X-Stream fog out put density!

Heat Exchanger
- 3,500W
- Wide bore steel vaporizing coil
- DTPD over-temperature protection
- Electronic Temperature control using thermocouple
- Approximate time to reach operating temperature = 15 minutes

Effect coverage
- Coverage area = 80 square metres
- Operational time: Continuous (at lower out-put)

Refrigeration System
- 1hp LBP Electrolux compressor (34cc)
- 2.9KW duty under normal operating conditions
- Max ambient operating temperature 35°C (95°f)
- Ideal ambient temperature <25°C (-13°f)
- Refrigerant is R404a (1.2Kg)
- Two speed condenser fans (radial blowers)
- Condenser capacity 4KW under normal operating conditions
- Refrigerant flow control via pulse modulated expansion valve
- Idle mode allows system to shut down when not under load

Control
- DMX512 (3 pin)
- 2 x LED displays with 4 button keypad
- Output level control from 0 to 20 for Fog
- Evaporator fan control via density setting
- Individual switches for Fog, Standby, Ice, Timer
- Timer range:
  Delay time (toF) 0 seconds - 90 seconds
  Run time (ton) 0 seconds - 90 seconds
- Control panel settings allow for higher fan speeds when using ducting

Electrical
- Input voltage 230V, 50Hz single phase (32A supply)
- Input power (max) 4.893 KW @ 230V
- Input voltage 208V, 60Hz single phase (32A supply)
- Input power (max) 4.325 KW @ 208V
- Power connection is via 32A 3 pin appliance inlet

Measurements
- Size: (L x W x H)
  866 x 638 x 725 mm
  (34.1 x 25.1 x 28..5 in)
- Weight: 110kg (242 lb)

Fluid system
- Electronic low fluid detection on internal supply
- 5L fluid container
- Maximum fluid consumption 120mL/minute (B2)
- Internal 5L fluid reservoir with sensor
- External fluid input for remote fluid operation (via internal/external selection switch)
- Failsafe sensor-less (indirect) fluid sensing to protect pumping components

Recommended Fluids
- Heavy Fog Fluid (B2 & C3)

Accessories
- Glaciator X-Stream twin ducting system
- Supports proportional output control using JEM Multifunction Remote (analogue type)

Jem Fog

ZR24/7 Hazer
Jem Fog

The award winning ZR 24/7 provides professionals with a perfect canvas of light-enhancing haze. Designed as a high-precision DMX haze generator and the first in a new range, it offers the latest in reliable digital PCB technology. A high-velocity radial blower combines with an innovative ECO-Mass vaporizing system to produce very small, highly refractive airborne particles that form optically translucent haze. A Variable Geometry Airflow (VGA) system is there to allow users to adjust the angle of haze output.

The compact and rugged design makes the ZR 24/7 the perfect tool for all professional applications ranging from stage and television to large-scale clubs and tours – any event where a truly reliable hazer is needed to create a translucent canvas of water-based haze for long periods.

The 3-digit LED user interface and state-of-the-art electronics give you complete access to DMX set-up, density and output control, allowing you the choice of either continuous operation or precision digital timing. The 24/7 has DMX on-board, featuring both 3 and 5 pin XLR"s. DMX uses two channels, one for fan speed (haze density), and the other for output control.The variable temperature control allows you to use different Jem fluids for different effects.

Heat Exchanger
- 900W
- Wide bore steel vaporizing coil
- Non-resettable over-temperature protection
- Electronic Temperature control using thermocouple
- Heat up time: 2 minutes

Effect coverage
- Airflow inclination can be set in the range 0 to 60 degrees.
- Coverage volume = 2000 cubic metres
- Operational time: Continuous

Control
- LED display
- Output level control from (0 to 20)
- Fan speed control (0 to 20)
- Timer range:
  Delay time (toF)
  0 seconds - 90 seconds
  Run time (ton)
  0 seconds - 90 seconds
- DMX512, 2 channels (3 and 5 pins XLR)
- Digital Machine to Machine link

Electrical
- Input voltage 200 - 250Vac
- Input power (max) 975W @ 230V
- Input voltage 100 - 130Vac
- Input power (max) 975W @ 115V
- Frequency 50/60Hz both models

Measurements
- Size: (L x W x H):
  420 x 246 x 303 mm
  (16.5 x 9.6 x 11.9 in)
- Weight: 11kg (24.2 lbs)

Fluid system
- Electronic low fluid detection
- 2.5L fluid container
- Maximum fluid consumption 410mL/hour (Haze fluid, HOT = Lo)

Recommended fluids
- Multiple fluids can be used when the correct temperature is selected from the HOT menu.
- Pro Haze Fluid, HOT = Lo
- DJ Fluid, HOT. = nor
- Pro Smoke Super, HOT = Hi

Accessories
- Digital remote

Jem Fog

Roadie X-Stream
Jem Fog

The Roadie X-Stream is the most versatile professional atmospheric effects generator available today. By incorporating Jem's, X-Stream Airflow System, the Roadie X-Stream blends fog and air to produce a variety of effects; from an optically translucent haze to an immensely dense "white-out" of fog.

The Roadie X-Stream has been designed to deal with the excessive rigors of touring, with a rigid chassis, protected on all eight corners by 20mm aluminum plates, and 40mm lifting bars. The outer casing and control panel also offer a degree of protection in poor weather conditions, making the Roadie X-Stream ideal for large outdoor stadium events. Overheat protection is also guaranteed through a unique, Direct Thermal Protection device.

The fog particulate is constant but can be diluted by increasing the airflow; transforming a dense fog into a light translucent haze, giving the right enhancement to high tech lighting. The Roadie is equipped with two large 2.5kW Hi-Mass Vaporizing Chambers, each with a twin, wide-bore, steel helicoil.

The Roadie X-Stream is fed by a massive 19-liter (5 US gallons) capacity and may be operated from a dedicated on-board, weather resistant control panel or an external DMX 512 source.

Basic control is also possible via the Roadie X-Stream's remote (optional), allowing the machine to be fired at preset levels. A bank of four "shortcut" presets is featured for those wishing to get the Roadie X-Stream into action quickly.

Heat Exchanger
- 2 x 2,500W
- Heat-up time: 18 minutes
- Overheat protection: DTPD, Direct Thermal Protection Device

Effect Coverage
- Operational time: Continuous (at lower output)
- Approx. fog output: 5,000 cubic meters/min

Control
- DMX 512 (3 pin)
- Remote connection: 3 Pin XLR

Electrical
- Power consumption: 22.5A @ 220V

Measurements
- 1140 x 645 x 655 mm (45.6 x 25.8 x 26.2 in)
- Weight: 167 kg (367 lbs)

Fluid
- Fluid capacity: 2 x 9.5 liter bottles
- Fluid consumption: 500 ml/min

Recommended Fluids
- I-Fog
- Pro-Smoke Studio (DX Mix)
- Pro-Smoke Super (ZR Mix)
- Pro-Smoke High Density (SP Mix)

Accessories
- 30 cm ducting
- Roadie X-Stream remote

Jem Fog

ZR33 Hi-Mass
Jem Fog

The ZR33 Hi-Mass combines a unique range of features to create a powerful fog machine capable of supplying the very best in atmospheric effects.

The ZR33 Hi-Mass is designed to generate instant atmosphere in large clubs, major stage productions and industrial applications.

The Hi-Mass Vaporizing System guarantees even more output for longer periods, while maximum efficiency is still achieved, requiring only 1500 watts to produce a massive 1000 cubic meters of dense fog per minute. A 9.5 liter container ensures long operational periods without refilling.

The ultimate in control options is available with DMX 512 as standard. An on-board remote is also included offering auto timer function extendable by the 8x-mode function.

The smooth 0 - 100% fog output allows precision atmospheric control. This, coupled with the Analogue Link facility, permits multi-machine control from a single Jem Multifunctional Controller.

In addition, a heavy-duty hanging bracket is fitted as standard to facilitate easy installation in any type of venue.

Heat Exchanger
- 1,500W Hi-Mass Vaporizing System
- Heat-up Time: 7 minutes
-
Overheat Protection:DTPD
(Direct Thermal Protection Device)

Effect Coverage
- 1,000 cubic meters/min
- Operational time: Continuous
  (at reduced out-put)

Control
- DMX input: Single Channel 3 pin XLR
  and Link
- Fog Control: On-board Multifunctional
  Timer Remote with level control
- Analogue Link: for multi-machine
  connection controlled from one remote

Electrical
- Power consumption: 7.0A @ 240V
  14.0A @ 120V

Measurements
- Size: (LxWxH): 685 x 345 x 225 mm
  (27 x 13.6 x 8.5 in)
- Weight: 19 kg (41.8 lbs)

Fluid
- Fluid capacity: 9.5 liter container
- Fluid consumption: 150 ml/min

Recommended Fluids
- I-Fog
- Pro-Smoke Studio (DX Mix)
- Pro-Smoke Super (ZR Mix)
- Pro-Smoke High Density (SP Mix)

Accessories
- 4" Ducting Adapter
- ZR ducting system inc. 5 m of 102 mm
  diameter ducting

ZR12 AL & DMX
Jem Fog

The ZR12 brothers are mid-sized, portable fog machines with enhanced output to provide a continuous flow of dry dense fog.

Distinguished from each other by their features of control, the ZR12 AL uses a multifunctional remote, while the ZR12 DMX has added DMX input for extra flexibility and control. These individual command features allow you to equip yourself with the right tool for the right job.

The ZR12 DMX can be programmed into any DMX controller and easily incorporated into any light show design. Additionally the DMX interface features a test fire button that enables operation without the DMX connection. The ZR12 AL provides an economical solution with a built in remote for easy command access.

The ZR12 AL and ZR12 DMX are extremely quick to heat up, meaning greater control of fog when you want it.

Both the ZR12 AL and ZR12 DMX are suited for a wide variety of applications. From rental to theatres, TV studios and clubs.

Create a greater accuracy of fog placement with the ZR ducting system. Available as an accessory to the whole ZR family, the ducting extension ensures uniformity and coverage in any environment.

ZR12 AL

Heat Exchanger
- 1,000W
- Heat-up Time: 7 minutes
-
Overheat Protection:DTPD
(Direct Thermal Protection Device)

Effect Coverage
- 500 cubic meters/min
- Operational time: Continuous
(at lower output)

Control
- Remote Socket: 5 pin DIN
- Analogue Link: 5 pin DIN
- Remote Cable: 5 core, 5 m
- Auto Timer Minimum Settings
2 second operation, 1 second delay

Electrical
- Power consumption: 4A @ 240V
8A @ 110V

Measurements
- Size: (LxWxH): 500 x 225 x 165 mm
(19.7 x 8.9 x 6.5 in)
- Weight: 11kg (24 lbs)

Fluid
- Fluid capacity: 2.5 liter container
- Fluid consumption: 75ml/min

Recommended Fluids
- I-Fog
- Pro-Smoke Studio (DX Mix)
- Pro-Smoke Super (ZR Mix)
- Pro-Smoke High Density (SP Mix)

Accessories
- Accepts the standard ZR ducting system
- DMX Interface

ZR12 DMX

Heat Exchanger
- 1,000W
- Heat-up Time: 7 minutes
- Overheat Protection: DTPD
(Direct Thermal Protection Device)-

Effect Coverage
- 500 cubic meters/min
- Operational time: Continuous
(at lower output)

Control
- DMX input: Single Channel 3 pin XLR
- Analogue link: 5 pin DIN

Electrical
- Power consumption: 4.5A @ 220V
9.5A @ 110V

Measurements
- Size: (LxWxH): 500 x 225 x 165 mm
(20 x 9 x 6.6 in)
- Weight: 11 kg (24.2 lbs)

Fluid
- Fluid capacity: 2.5 liter container
- Fluid consumption: 75 ml/min

Recommended Fluids
- I-Fog
- Pro-Smoke Studio (DX Mix)
- Pro-Smoke Super (ZR Mix)
- Pro-Smoke High Density (SP Mix)

Accessories
- Accepts the standard ZR
ducting system
- Jem Multifunctional Auto-Timer
Remote (analogue)

Jem Fog

Martin Fog

Today's advanced effects require a perfect atmospheric backdrop. As a conscientious manufacturer of effect lighting, Martin understands that special need. That's why we have developed a range of atmospheric effects, dedicated to the specific needs of DJs and nightclubs.

Martin Fog is a complete range of smoke and haze solutions for nightclubs and DJs, which allows users to fine tune the atmosphere to exploit the best from their lights. The philosophy is simple. If the LD is the artist and the lights are the paints, Martin Fog provides the safe, high-quality canvas on which to display your work.

Haze:

Magnum Hazer

Fog:

Magnum Club Smoke

Magnum 2000

Magnum 1500

Magnum 800

Magnum 550

Martin Fog

Magnum Hazer
Martin Fog

Magnum Hazer: Adding depth and dimension to your light show
The Magnum Hazer gives your light show outstanding refraction with an effortless ease. Incorporating some of the most complex technology behind the simplest interface, the Magnum Hazer is one of the most effective, mid-sized Haze solutions available today.

With DMX as standard, the Hazer comes with an elementary analog control panel and an optional digital remote. It also features new technology in the digital calibration of its electronic system - leaving technical adjustments to its on-board software.

To ensure an even haze dispersal every time and in any environment, the Magnum Hazer uses a VGA system, (variable geometry airflow), adjusting the airflow inclination between 0° and 60°. An Auto-fan mode also adjusts the powerful, radial fan's output to achieve a consistent vertical distribution of your effect, guaranteeing a uniform canopy of haze.

The Magnum Hazer comes complete with all the technical excellence you can expect from the Magnum range. It has potential for continuous operation and an electronic low fluid detection system to ensure safety when you do.

Heat Exchanger
- 900W
- Wide bore steel vaporizing coil
- Non-resettable over-temperature protection
- Electronic Temperature control using thermocouple
- Heat up time: 2 minutes

Effect coverage
- Airflow inclination can be set in the range 0 to 60 degrees
- Operational time: Continuous
- Coverage volume: 2000 cubic meters

Control
- DMX512 (3 pin)
- Analogue controls for:
  Output level, from 0 to 10
  Fan speed, from 0 to 10
- Timer range:
  Repeat time of 2 minutes (fixed)
- Run time (ton) 0 seconds -
  90 seconds
- The run time is set using the DMX dip-switch, giving a resolution of 10 seconds

Electrical
- Input voltage 200 - 250Vac
- 975W @ 230V
- Input voltage 100 - 130Vac
- 975W @ 115V
- Frequency 50/60Hz both models

Measurements
- Size: (L x W x H)
  420 x 246 x 303 mm
  (16.5 x 9.6 x 11.9 in)
- Weight: 11 kg (24.2 lbs)

Fluid system
- Electronic low fluid detection
- 2.5L fluid container
- Maximum fluid consumption 410mL/hour

Recommended Fluids

- The machine is factory calibrated for Pro haze fluid

Accessories
- Digital remote

Magnum Club Smoke
Martin Fog

The Magnum Club Smoke is a two head fog package with "ground-based" fluid supply specifically designed for club installations. This special fog delivery system blends into any club decor with the compact fog heads continually delivering a high volume of dense white fog.

The Magnum Club Smoke comes complete with a convenient wall mounted Club Smoke Service Module housing a 10 liter "ground-based" fluid supply. The Service Module can be installed up to 100 meters from the heads for easy mid-evening refills. No more high-wire fluid refills! Additionally, all fluid line, signal and mains connections enter the Service Module from the top for added convenience.

Reliable and easy to maintain, the Club Smoke includes an electronic low fluid sensing system - no more costly pump burn-outs! Other great features include DMX input and auto timer remote; floor, wall or ceiling mounting; light weight and compactness; and easy installation and maintenance. The system also comes supplied with a sturdy "U" bracket which allows the head to be mounted at any angle.

The Magnum Club Smoke is available with two extra heads for added coverage. The Analogue Link socket in each fog head may also be used for connection of the AF-1 DMX Fan - a useful means of expansion when a venue requires perfect fog distribution. All heads are supplied with drip trays.

Heat Exchanger
- 1,000W (each head)
- Heat-up time: 7 minutes

Effect Coverage
- 2 x 500 cubic meters/min (2 heads)
- Operational time: Continuous (at lower out-put)

Control
- Input: Connecting 5 pin XLR
- Overhead Protection by DTP Device
- DMX Input: 3 or 5 pin XLR
- DMX Link: 3 or 5 pin XLR
- Signal Out (to Heads) 2 x 5 pin XLR
- Remote Input: 5 pin XLR
- Remote Control Auto Timer with separate operate and delay controls, plus variable output

Electrical
- Power Consumption:
  4.5A@ 220V (each head)
  1A@ 220V (service module)
  9.09A@ 120V (each head)
  1.36A@ 120V (service module)

Measurements
- Service Module, size: (L x W x H):
  410 x 480 x 290 mm
  (16.1 x 18.9 x 11.4 in)
- Head (one), size: (L x W x H):
  330 x 310 x 165 mm
  (13 x 12.2 x 6.5 in)
- Service Module, weight:
  12 kg (26.4 lbs)
- Head (one), weight:
  10 kg (22 lbs)

Fluid
- Fluid consumption: 100ml per min per head
- Fluid outlets: 2 x 4mm push in fittings
- Electronic Low Fluid Cut Off
- Fluid capacity: 10 liter plastic container

Recommended Fluids
- I-Fog
- Pro-Smoke Studio (DX Mix)
- Pro-Smoke Super (ZR Mix)
- Pro-Smoke High Density (SP Mix)

Magnum Club Smoke Includes:
2 x Fog Heads
1 x Service Module
1 x Remote Control
2 x 5 pin XLR Leads
2 x 10 meter 6mm Fluid Lines
2 x drip trays

Accessories
- Fog head
- 6mm Fluid Line (by meter)
- AF-1 DMX Fan

Magnum 2000
Martin Fog

Dubbed the "King of Portable Fog Machines," no other portable fogger can match the output of the Magnum 2000. Its solid reliability and quality operation has made the Magnum 2000 the most specified fog machine in the world.

High fog output creates an instant cloud of dense fog, perfect for generating immediate dance floor atmosphere and ideal for mid-air lighting effects. The Magnum 2000 is ideal for clubs of all sizes and roadshow DJ's. And the large on-board fluid capacity of 9.5 liters means less need for mid-evening refills.

The Magnum 2000 offers a host of well-conceived features such as totally variable smoke output and pressure control as well as an optional DMX interface allowing convenient control from the lighting desk. It comes complete with a truss mounting bracket for easy installation.

Heat Exchanger
- 1,600W
- Heat-up time: 8 minutes
- Overheat protection electro-mechanical device

Effect Coverage
- 700 cubic meters/min

Control
- Remote control: Programming and manual operation
- Remote connections: 3 pin XLR

Electrical
- Power consumption:
  7.5 A @ 220V
  14.1 A @ 110V

Measurements
- Size: (L x W x H):
  695 x 356 x 325 mm
  (27.4 x 14.0 x 12.8 in)
- Weight: 13 kg (28.5 lbs)

Fluid System
- Fluid capacity: 9.5 liter bottle
- Fluid consumption: 95 ml/min

Recommended Fluids
- I-Fog
- Regular DJ Fluid
- Pro-Smoke Studio (DX Mix)
- Pro-Smoke Super (ZR Mix)
- Pro-Smoke High-Density (SP Mix)

Accessories
- DMX Interface

Martin Fog

Magnum 1500
Martin Fog

The new Magnum 1500 is an impressively powerful fog generator housed in the smart, sturdy compact casing of the Mania family.

With state of the art digital electronics, the Magnum 1500 is powered by a 1,200W heater, giving it a massive output, while a 2.3 liter onboard fog-fluid container provides the capacity for long running.

A remote with a 5 meter cable controls variable output and features a timer function for greater effect regulation.

The Magnum 1500 comes with a flying bracket as standard and the innovative ability to flip the onboard fog fluid container, allowing multiple flying options.

Heat Exchanger
- 1,200W
- Heat-up time: 8 minutes
- Overheat Protection: Direct Thermal Protection Device

Effect Coverage
- 550 cubic meters/min

Control
- Hand-held auto timer with fog level control
- Remote connection: RJ 45
- Analogue Link: RJ 45

Electrical
- Power Consumption:
  5.3A@ 220V
  10.1A@ 110V

Measurements
- Size:
  (L x W x H): 445 x 305 x 145 mm
  (17.5 x 12 x 5.7in)
- Weight:
  10 kg (22 lbs)

Fluid System
- Fluid capacity: 2,3 liter container
- Fluid consumption: 75 ml/min

Recommended Fluids
- I-Fog
- Regular DJ Fluid
- Pro-Smoke Studio (DX Mix)
- Pro-Smoke Super (ZR Mix)
- Pro-Smoke High-Density (SP Mix)

Accessories
- DMX Interface

Magnum 800
Martin Fog

Dance clubs and discos the world over greatly appreciate this industry workhorse. This reliable yet compact fog machine delivers a non-stop intense cover of fog for instant atmosphere generation – a must for any mobile DJ or small club.

Easy to operate with a convenient carrying handle and portable design, the Magnum 800 uses the same high technology standards found in the larger Magnum 2000.

The Magnum 800 is tough and rugged, the perfect fogger for small nightclubs, mobile DJs and bands. It is also a useful fogger for parties and celebrations.

Heat Exchanger
- 750W
- Heat-up time: 7 minutes
- Overheat Protection:
  Direct Thermal Protection Device-

Effect Coverage
- 200 cubic meters/min
- Operational time: Continuous (at lower out-put)

Control
- Hand-held auto timer with fog level control
- Remote Connections 5 pin DIN

Electrical
- Power consumption:
  3.5A @ 220V
  7.2A @ 110V

Measurements
- Size: (L x W x H):
  410 x 165 x 170 mm
  (16.1 x 6.5 x 6.7 in)
- Weight: 6.5 kg (14.3 lbs)

Fluid System
- Fluid capacity: 1 liter container
- Fluid consumption: 50 ml/min

Recommended Fluids
- I-Fog
- Regular DJ Fluid
- Party Pack (4 x 1 liter)
- Pro-Smoke Studio (DX Mix)
- Pro-Smoke Super (ZR Mix)
- Pro-Smoke High-Density (SP MIX)

Accessories
- Accepts the standard ZR ducting system
- DMX Interface

Magnum 550
Martin Fog

The Magnum 550 Fog Machine provides the DJ with a perfect boost of dense white fog to enhance every light effect.

Its fast heat-up time and extended operational period make the Magnum 550 the clear leader in its class. Housing a 600-watt ECO-Mass Vaporizing System for economical and even distribution of haze, and supplied with a remote control, the Magnum 550 will give many years of maintenance-free operation.

The 550 is fitted with the same high quality protection as the Magnum 2000 providing an economical solution with absolutely no compromise.

Built tough with a rugged chassis, the Magnum 550 is perfect for the mobile DJ and more grinding environments.

Heat Exchanger
- 600 W
- Heat-up time: 7 minutes
- Overheat protection

Effect coverage
- 160 cubic meters/min

Control
- Hand held "on/off" remote control with 5 meter cable
- Red LED for heater status
- Connection: via IEC socket

Electrical
- Power consumption:
  2.72 A @ 220V
  5.5 A @ 110V

Measurements
- Size: (L x W x H):
  310 x 215 x 130 mm
  (12.2 x 8.5 x 5.1 in)
- Weight 4.6 kg (10.12 lbs)

Fluid system
- Fluid capacity: 1 liter container
- Fluid consumption: 23 ml/min

Recommended fluids
- Pro-Smoke Super (ZR-mix)
- Regular DJ Fluid
- Pro-Smoke Studio (DX mix)
- Pro-Smoke High Density (SP mix)
- Party Pack

Jem Fog & Martin Fog
Accessories

A comprehensive range of accessories is available to enhance the capabilities of our fog and haze generators. Every installation, theatrical production or staged event has specific requirements and Jem accessories help to tailor our standard range of machines for these special applications.

Our fog and haze machines are designed to give long reliable service and during their life. However, it is quite conceivable that your requirements might change and when they do, many of yesterday's models can be simply upgraded for today's needs.

AF-1 and AF-2
The AF-1 and AF-2 are compact but powerful fans designed with clubs, studios, theaters and touring applications in mind. They feature DMX input as standard and can be installed on a ceiling, in a truss or can be floor standing. They can be used alone or as part of a complete fog system by linking with other Jem machines using the analogue link (AF-1) or DMX.

AF-1

Max Airflow
- 1,600 cubic m/hr
- 2,500 rpm motor

Control options
- DMX 512 (3-pin)
- Jem fan controller with auto timer, 8X mode and speed controls
- Jem Analogue Link

AF-2

Max Airflow
- 5,700 cubic m/hr
- 1,400 rpm motor

Control options
- DMX 512 (3 + 5 pin)
- Jem fan controller with timer, 8X mode and speed controls

Accessories
- Frame with floor stand

Ducting Systems

The Jem range of Ducting Systems are designed for use when the fog needs to be distributed to less accessible locations. The wide diameter ducting will minimize condensation and maximize fog flow. Please seek the advise of your Jem representative for ducting runs longer than 5 meters.
- ZR Ducting System – includes ducting adapter and 5m of 104mm diameter ducting. Suitable for models Fogger Mk3, ZR20, ZR31, ZR41, Magnum 800 Techno Fog
- ZR22/33 Ducting System – includes ducting adapter and 5m of 104mm diameter ducting. Suitable for models Sharky, Magnum 550, FX2, ZR12, Club Smoke System, ZR22, ZR33.
- Glaciator Twin Ducting System – includes twin outlet ducting adapter, fixings and 2 x 5m of 150mm diameter ducting. Suitable for any Glaciator Heavy Fog Machine.

Adapters Only

Certain adapters from ducting systems are available separately for users who prefer to connect their own specification ducting to a Jem fog machine.
- ZR Ducting Adapter
- ZR22/33 Ducting Adapter
- Magnum 2000 Ducting Adapter

Drip Trays

All installers of nightclub fogging systems will appreciate this useful accessory. The slim line tray simply attaches to the front edge of the fog machine and is designed to catch any small drops of condensation, which typically form around the fogger output nozzle. The tray is fitted with a highly absorbent material, which will dry out automatically thanks to the heat transfer from the machines vaporizing chamber.

Magnum Club Smoke Accessories

The Magnum Club Smoke is supplied with the accessories needed to get you started. However it may be necessary to extend fluid lines or add extra Fog Heads. A full range of fluid line connectors is available to meet the varying challenges of club installations. All fittings are of a "push-in" type and require no tools.
- 6mm Nylon Fluid Line (sold per meter)
- 6mm to 6mm Push-in Connectors (for joining lengths of 6mm fluid line)
- 6mm "T" Connector (for splitting fluid supply to an additional Fog Head)

DMX Interface

The Jem range of DMX Interfaces allow you to upgrade most models of Fog and Haze Machines from Analogue control (standard Fog machine Controller) to accepting a control signal from a DMX Source.
- DMX Interface for Magnum 2000
- DMX Interface for ZR12AL and Magnum 800

Fog Fluids
Jem Fog & Martin Fog

Jem offers the widest and most popular range of atmosphere generating fog, haze and heavy fog fluid around. Ideal for use in theaters, discos, clubs, concerts, festivals and even television applications, our fluid is effective, safe and economical. All fluids are environmentally friendly and water based. They are made from the highest quality food grade polyfunctional alcohols which are diluted with water and purified by double reverse osmosis and a ultra-violet filtration processes. This guarantees a virtually mineral and bacteria free product.

We want you to be totally satisfied with your fog machine. Only by using our fluid can you be 100% guaranteed that your fog machine will operate optimally. Possible problems, including a shortened machine life and possible health risk may occur with the use of any other type of fog fluid.

The efficiency and quality of the fluids have been greatly enhanced since the opening of our new fluid production facility in Lincolnshire, England. A fully automated and program-mable mixing and pouring system has been installed in a virtually sterile environment that guarantees a pure, precise product. This new facility will effectively increase the production of our fluids while ensuring high quality and safety standards.

We make the finest range of fog fluids in the world. The reliability of fog machines and your good health are important to us.

Haze
- **Pro Haze fluid**

    Specially formulated for the range of hazers including ZR 24/7 and Magnum Hazer, this fluid is also ideal for use with the Roadie X-Stream when in Haze mode. A fine optically transparent air-born medium is produced with a light to medium index of refraction - ideal for beam projection. Available in 4 x 2.5L, 9.5L, 25L, 220L, 4 x 1 US gall. and 2.5 US gall. containers.

Fog
- **i-fog**

    i-fog is not only kind to your lights, but is also more economical to use thanks to its incredible long "hang time" characteristics. In environments unaffected by extraction and air-conditioning, i-fog can be expected to last 30% longer. In fact it is essential that all autotimer programmed foggers be adjusted to lower output, shorter duration and longer delays in repeat firing, to avoid atmospheric saturation.
    Available in 4 x 5L, 9.5L and 220L containers.

Pro Smoke Super
- **(ZR mix)**

    This industry standard fluid is the automatic choice of most users. A dense white air-born fog is produced with a medium length dispersal time. Its medium to high index of refraction makes this formula ideal for all effects.
    Available in 4 x 1L (party pack), 4 x 5L, 9.5L, 220L, 4 x 1 US gall., 2.5 US gall. containers.

Pro Smoke Studio
- **(DX mix)**

    In a studio or theater environment, a lighter, faster dispersing fog is often preferred. Pro-Smoke Studio offers a less dense environment to Pro-Smoke Super and is therefore less likely to interfere with TV camera focusing.
    Available in 4 x 5L, 9.5L, 220L, 4 x 1 US gall. and 2.5 US gall. containers.

Pro Smoke High Density
- **(SP mix)**

    The SP mix generates a high density, white, air-born fog with a very high index of refraction and slower evaporation rate. It is well suited for scenic obscuring and strobes "white-out". Available in 4 x 5L, 9.5L, 220L, 4 x 1 US gall. and 2.5 US gall. containers.

Regular DJ fluid
- **(DJ mix)**

    This specially formulated economy mix is perfect for medium density, airborn fog effects. It is particularly well suited for the Magnum 550 and 800. Available in 4 x 5 L, 9.5L, 220L and 4 x 5 US gall. containers.

Heavy fog
- **Heavy fog fluid (B2 mix)**

    This specially made fluid produces a dense ground-hugging effect which will disperse and evaporate before any visible rising. B2 is ideally suited for dramatic scenes involving a lot of stage activity or dance.
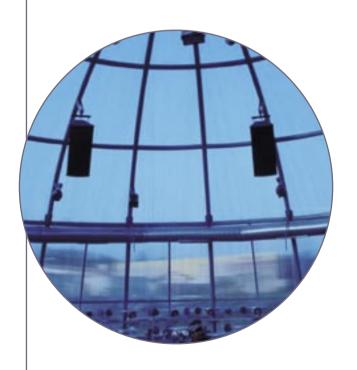   Available in 4 x 5L, and 220L containers.

- **Heavy fog fluid (C3 mix)**

    A longer lasting, higher density fog is sometimes required in a more controlled environment. With its longer hang time, C3 Mix is ideal for "waterfall" and "curtain" type effects.
    Available in 4 x 5L, and 220L containers.

Jem Fog & Martin Fog

Mach Sound
Reinforcement

Installation: In-fill
CI4, CI6, CI8

Installation: Near-Field
CN7, CN8, CN12

Installation: Medium-Throw
CM7, CM9, CM12, CM15, CM18

Installation: Subwoofers
CW110F, CW112F, CW112C,
M151i, M152i, M182i

Installation: In-built
MIW62i, MIW66, CS5, CS6, CS8

Installation: Tweeter clusters
CTW1, CTW2

Installation: Accessories

Touring: Long-Throw
MS1262, MS15x2, MS118, Ballister

Touring: Medium-Throw
M12T, M14T, M15T, M30T

Touring: Subwoofers
M118T, M218T

Touring: Stage Monitors
M1201T, M1502T, SP12

Touring: Accessories

Portable: Active/Passive
M-Flex 12, 15, Sub

Controllers: Active
M20.04, M20.06

Mach Speaker System

Installation C-range
Mach Speaker System

The new C-range installation series of speakers embraces more than just incomparable sound quality. Co-designed by contractors for contractors, the C-range is a breakthrough in installation speaker design and extraordinarily easy installation.

The C-range fits in a wide variety of applications, from small bars and cafés to large clubs and installed live applications.

Besides excellent sound quality, other parameters have also been given special attention: reduced speaker size, improved functionality, ease of installation, reduced service time, increased flexibility, improved mounting options and enhanced speaker strength are just some of the improvements that have been made.

The new design features 18 flying points – four of which are fully adjustable – allowing for complete versatility when setting dispersion angles. The innovative "spider mount system" allows for innovative solutions for wall and ceiling mounting.

The C-range series can be divided into 4 categories:

- Three top-boxes designed as in-fill speakers
- Three top-boxes designed as near field speakers
- Five top-boxes designed as medium throw speakers
- Six subwoofers

In addition, the installation series includes five in-built speakers as well as two tweeter clusters.

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Mach Speaker System

Installation In-Fill
Mach Speaker System

The Mach CI series is a speaker solution optimized for medium to high SPL. Three in-fill speakers are available: CI4 with a 4″ mid-woofer and 3/4″ soft dome tweeter, CI6 with a 6″ mid-woofer and 3/4″ soft dome tweeter and CI8 with an 8″ mid-woofer and a 1″ soft dome tweeter. The CI series is ideal for commercial applications such as cafés, clubs, department stores, conference rooms, hotels or any space that requires high fidelity in-fill sound. Each speaker comes with two different bracket systems with multiple rigging points. This flexible hanging system requires minimum customization to fit any venue. The CI speakers can be used in combination with the CW subwoofers in the Mach installation series.

CI4

Power rating IEC268: 50 watt
Power rating peak: 200 watt
Sensitivity 1w/1m: 87 dB
Max SPL, calc. long term: 104 dB
Max SPL, peak: 110 dB
Frequency range +/-3dB: 120 Hz-20 kHz
Frequency range +/-10dB: 80 Hz-20kHz
Dispersion angle: 90 degrees
Nominal impedance: 8 ohm
Recommended amplifier: 70 watt
Woofer: 4"
Tweeter: 3/4"
Dimensions (HxWxD):
  20.7x15x12 cm
  (8.15x5.9x4.72 in)
Net weight: 1.8 kg (4 lbs)
Finish: ABS
Grille: Aluminum with foam backing
Input connectors: Spring terminals
Rigging hardware: Included TF bracket and
  aux mounting bracket

CI6

Power rating IEC268: 65 watt
Power rating peak: 260 watt
Sensitivity 1w/1m: 89 dB
Max SPL, calc. long term: 107 dB
Max SPL, peak: 113 dB
Frequency range +/-3dB: 90 Hz-20 kHz
Frequency range +/-10dB: 70 Hz-20 kHz
Dispersion angle: 90 degrees
Nominal impedance: 8 ohm
Recommended amplifier: 100 watt
Woofer: 6.5"
Tweeter: 3/4"
Dimensions (HxWxD):
  27.5x20x16 cm
  (10.83x7.83x6.30 in)
Net weight: 2.7 kg (5.9 lbs)
Finish: ABS
Grille: Aluminum with foam backing
Input connectors: Spring terminals
Rigging hardware: Including TF bracket and
  aux mounting bracket

CI8

Power rating IEC268: 125 watt
Power rating peak: 500 watt
Sensitivity 1w/1m: 93 dB
Max SPL, calc. long term: 114 dB
Max SPL, peak: 120 dB
Frequency range +/-3dB: 70 Hz-20 kHz
Frequency range +/-10dB: 60 Hz-20 kHz
Dispersion angle: 90 degrees
Nominal impedance: 8 ohm
Recommended amplifier: 175 watt
Woofer: 8"
Tweeter:1"
Dimensions (HxWxD):
  39.5x29x22 cm
  (15.55x11.42x8.66 in)
Net weight: 5.2 kg (11.5 lbs)
Finish: ABS
Grille: Aluminum with foam backing
Input connectors: Spring terminals
Rigging hardware: Included TF bracket
  and aux mounting bracket

Mach Speaker System

Installation Near Field
Mach Speaker System

The near field speakers in the Mach installation series combine hi-fi properties with medium SPL in a compact design. Featuring 18 flying points, four of which are fully adjustable, and a customized U-bracket included as standard with every speaker, the CN speakers are extremely versatile. The CN series has been designed specifically for small to medium-sized venues and is also suitable for in-fill in seating areas. The series can either operate as stand-alone solutions or in combination with a subwoofer.

CN7 is a full range near field speaker combining powerful hi-fi properties with intermediate SPL in an ultra compact design. It is a 2-way speaker which houses an 8" woofer with an extended frequency response and a 1" soft dome tweeter. It is suitable for applications in which clarity and speech intelligibility are needed.

CN8 is a 2-way compact full range near field speaker with powerful hi-fi properties and intermediate SPL. It features two 8" woofers with an extended frequency response and a 1" compression driver with a constant coverage horn. It is designed as a compact cabinet with a highly controlled dispersion pattern and is suitable for applications in which clarity and speech intelligibility are needed.

CN12 is a 3-way near field speaker combining hi-fi properties with high SPL in a compact design. Designed as a compact stand-alone cabinet with a controlled dispersion pattern, the CN12 houses a 12" woofer, a 6" mid woofer and a 1" soft dome tweeter. The speaker is suitable for applications where medium output is required.

CN7

Power rating IEC268: 150 watt
Power rating peak: 600 watt
Sensitivity 1w/1m: 92 dB
Max SPL, calc. long term: 114 dB
Max SPL, peak: 120 dB
Frequency response +/-3dB: 65 Hz-17 kHz
Dispersion angle: 100 x 100 degrees
Nominal impedance: 8 ohm
Recommended high pass filter:
    40Hz/(24dB/octave)
Recommended amplifier: 200 watt in
    8 ohm
Dimensions (HxWxD):
    41.5x34.9x33.8 cm
    (16.3x13.7x13.3 in)
Net weight: 15 kg (33 lbs)
Finish: Black SafeCoat coating with other
    colors optional
Grille: 2 mm steel with foam backing
Input connectors: 2 x Speakon® NL4 and
    barrier strip terminals
Rigging hardware: Included U-bracket,
    eyebolts

CN8

Power rating IEC268: 300 watt
Power rating peak: 1200 watt
Sensitivity 1w/1m: 95 dB
Max SPL, calc. long term: 120 dB
Max SPL, peak: 126 dB
Frequency response +/-3dB: 65 Hz-20 kHz
Dispersion angle: 90x60 degrees
Nominal impedance: 4 ohm
Recommended High Pass filter: 40Hz
    (24 dB/octave)
Recommended amplifier: 400 watt in
    4 ohm
Dimensions (HxWxD):
    62 x 34.9x33.8 cm
    (24.4x13.7x13.3 in)
Net weight: 22 kg (48.5 lbs)
Finish: Black SafeCoat coating with other
    colors optional
Grille: 2 mm steel with foam backing
Input connectors: 2 x Speakon® and bar-
    rier strip terminals
Rigging hardware: Included U-bracket,
    eyebolts

CN12

Power rating IEC268: 320 watt
Power rating peak: 1280 watt
Sensitivity 1w/1m: 97 dB
Max SPL, calc. long term: 122 dB
Max SPL, peak: 128 dB
Frequency response +/-3dB:72 Hz-18 kHz
Dispersion angle: 100 x 65 degrees
Nominal impedance: 8 ohm
Recommended High Pass filter: 100 Hz
    (24 dB/octave)
Recommended amplifier: 450 watt in
    8 ohm
Dimensions (HxWxD):
62x43x35 cm
(24.4x17x13.8 in)
Net weight: 26.5 kg (58.4 lbs)
Finish: Black SafeCoat coating with other
    colors optional
Grille: 2 mm steel with foam backing
Input connectors: 2 x Speakon® NL4 and
    barrier strip terminals
Rigging hardware: Included eyebolts and
    U-bracket

Mach Speaker System

Installation Medium-Throw
Mach Speaker System

The Mach CM series is a line of dedicated top boxes for medium throw applications. It features very high SPL and controlled dispersion in a compact design and is ideal for venues requiring excellent audio clarity and high power performance. The CM9, 12, 15 and 18 feature a rotatable horn for optimum dispersion and can be switched easily from passive to active mode through a multi-pin connector. All speakers in the CM series feature 18 flying points, four of which are fully adjustable, allowing for full flexibility in vertical and horizontal positioning. The versatile mounting system allows for full flexibility and easy installation using the U-bracket (included), Multibracket, eyebolts or cluster brackets. Acoustically, the products are ideal for clubs, bars, cafés, lounges, restaurants, shopping malls and more. They can be used in combination with a subwoofer or as a delay speaker.

CM7 is a dedicated top box developed specifically for medium throw applications with a high demand for very high SPL, high power handling and clarity in an ultra compact design. It houses one 8" mid woofer with very low power compression and high power handling. The tweeter is a 1" compression driver with a constant coverage horn. The CM7 is the smallest of the medium throw speakers and is ideal for solutions related to small or medium-sized venues or as in-fill in seating areas.

CM9 is a dedicated top box ideal for high power in small and medium-sized venues with low ceiling fixing points. The CM9 is a medium throw speaker with extremely high output in a very compact design. It features a rotatable horn with a 90x60 degree dispersion allowing for complete versatility in vertical and horizontal mounting. The CM9 houses two 8" woofers with very low power compression and high power handling. It also features a 1" compression driver on a constant coverage horn with low distortion. It is ideal for low ceiling applications in bars, cafés, and smaller clubs where extremely high output is needed.

CM12 is a dedicated top box ideal for applications in small to medium-sized venues where high output and low ceiling fixing points are required. It is a medium throw speaker in a compact design with high output and a controlled dispersion pattern. It houses a powerful 12″ woofer and a 1″ compression driver with a constant coverage horn with low distortion. A rotatable horn with 90x75 degree dispersion allows for complete versatility in vertical and horizontal mounting.

CM15 is ideal for medium to large-sized venues and can run either as a top box or as a full range box. It is a medium throw speaker with very high SPL and a controlled dispersion pattern. It houses a powerful 15″ woofer and a 2″ compression driver with a constant coverage horn with low distortion. A rotatable horn with 90x55 degree dispersion allows for complete versatility in vertical and horizontal mounting.

CM18 is a medium throw speaker with ultra high SPL and a controlled dispersion pattern in an ultra slim design. It houses two powerful 12″ woofers and a 2″ compression driver with a constant coverage horn with low distortion. A rotatable horn with 90x55 degree dispersion allows for complete versatility in vertical and horizontal mounting. It is designed specifically for medium to large-sized applications and is ideal for low ceiling installations when positioned horizontally.

Mach Speaker System

CM7

Power rating IEC268: 300 watt
Power rating peak: 1200 watt
Sensitivity 1w/1m: 96 dB
Max SPL, calc. long term: 121 dB
Max SPL, peak: 127 dB
Frequency response +/-3dB: 80 Hz-20 kHz
Dispersion angle: 90x60 degrees
Nominal impedance: 8 ohm
Recommended amplifier:
  400 watt in 8 ohm
Dimensions (HxWxD):
  41.5x34.9x33.8 cm
  (16.3x13.7x13.3 in)
Net weight: 15 kg (33 lbs)
Finish: Black coating with other colors
  optional
Grille: 2 mm steel with foam backing
Input connectors: 2 x Speakon® NL4 and
  barrier strip terminals
Rigging hardware: Included U-bracket,
  eyebolts

CM9

Power rating IEC268: 600 watt
Power rating peak: 2400 watt
Sensitivity 1w/1m: 99 dB
Max SPL, calc. long term: 127 dB
Max SPL, peak: 133 dB
Frequency response +/-3dB: 70 Hz-20 kHz
Dispersion angle: 90 x 60 degrees
Nominal impedance: 4 ohm
Recommended high pass filter: 100Hz
  (24dB/octave)
Recommended amplifier: 850 watt in 4 ohm

Drive units:
Woofer: 2 x 8" with interleaved sandwich
  voice coil
Nominal impedance: 4 ohm (2 pcs)
Powerhandling AES: 600 watt
Sensitivity 1w/1m: 98dB
Max SPL, calc. long term: 126 dB
Max SPL, peak: 132 dB
Recommended High Pass filter: 100 Hz
  (24dB/octave)
Recommended amplifier: 850 watt in 4 ohm

Compression driver: 1"
Nominal impedance: 8 ohm
Powerhandling: 50 watt above 2.5 Khz/
  24 dB/oct
Sensitivity 1w/1m: 108 dB
Max SPL, calc. long term: 125 dB
Max SPL, peak: 131 dB
Recommended crossover freq.: 2500 Hz/
  24 DB/oct

Recommended amplifier: 75 watt in 8 ohm
Recommended controller: Mach M20.06
Dimensions (HxWxD):
  70x34.9x33.8 cm
  (27.5x13.7x13.3 in)
Net weight: 25 kg (55 lbs)
Finish: Black SafeCoat coating with other
  colors optional
Grille: 2 mm steel with foam backing
Input connectors: 2 x Speakon® NL4 and
  barrier strip terminals
Rigging hardware: Included U-bracket,
  eyebolts

CM12

Power rating IEC268: 325 watt
Power rating peak: 1300 watt
Sensitivity 1w/1m: 98.5 dB
Max SPL, calc. long term: 124 dB
Max SPL, peak: 130 dB
Frequency response +/-3dB: 70 Hz-18 kHz
Dispersion angle:
  90 x 75 degree rotatable horn
Nominal impedance:8 ohm
Recommended High Pass filter:
  100 Hz (24dB/octave)
Recommended controller: Mach M20.06
Recommended amplifier: 450 watt in 8 ohm

Drive units:
Woofer: 1 x 12" with an interleaved
  sandwich coil
Nominal impedance: 8 ohm
Powerhandling AES: 350 watt
Sensitivity 1w/1m: 99.5 dB
Max SPL, calc. long term: 125 dB
Max SPL, peak: 131 dB
Recommended High Pass filter: 100 Hz
  (24dB/octave)
Recommended amplifier: 500 watt in 8
  ohm

Compression driver: 1" exit with polyester
  diaphragm
Nominal impedance: 8 ohm
Powerhandling above
1.6kHz/24dB/oct: 80 watt
Sensitivity 1w/1m: 107dB
Max SPL, cal. long term: 126 dB
Max SPL, peak: 132 dB
Recommended crossover freq: 1600 Hz/
  24dB/oct
Recommended amplifier: 115 watt in 8 ohm
Recommended controller:Mach M20.06
Dimensions (HxWxD):
  62x43x35 cm
  (24.4x17x13.8 in)

Mach Speaker System

Net weight: 26.5 kg (58.4 lbs)
Finish:Black SafeCoat coating with other colors optional
Grille: 2 mm steel with foam backing
Input connectors: 2 x Speakon® NL4 and barrier strip terminals
Optional top-hat adapter:35mm diameter
Rigging hardware: Included eyebolts and U-bracket

CM15
Passive mode:
Power rating IEC268: 450 watt
Power rating peak: 1800 watt
Sensitivity 1w/1m: 102 dB
Max SPL, calc. long term: 129 dB
Max SPL, peak: 135 dB
Frequency response +/-3dB: 58 Hz-20 kHz
Dispersion angle:
  90 x 55 degree rotatable horn
Nominal impedance: 8 ohm
Recommended High Pass filter:
  45 Hz (24dB/octave)
Recommended controller: Mach M20.06
Recommended amplifier: 650 watt in 8 ohm

Drive units:
Woofer: 15" with 3" voice coil
Nominal impedance: 8 ohm
Powerhandling AES: 400 watt
Sensitivity 1w/1m: 102 dB
Max SPL, calc. long term: 129 dB
Max SPL, peak: 135 dB
Recommended High Pass filter: 45Hz (24dB/octave) or higher
Recommended amplifier: 650 watt

Compression driver:
  3" diaphragm, 2" throat
Nominal impedance: 16 ohm
Power handling AES: 150 watt
Sensitivity 1w/1m: 110 dB
Max SPL, calc. long term: 132 dB
Max SPL, peak: 138 dB
Recommended crossover freq:
  1400 Hz/24dB/oct
Recommended amplifier: 200 watt
Recommended controller: Mach M20.06
Dimensions (HxWxD):
  83x50x40.5 cm
  (32.7x19.7x16 in)
Net weight: 41.5 kg (91.5 lbs)
Finish: Black SafeCoat coating with other colors optional
Grille: 2 mm steel with foam backing

Input connectors: 2 x Speakon® NL4 and barrier strip terminals
Rigging hardware: Included eyebolts

CM18
Passive mode:
Power rating IEC268: 700 watt
Power rating peak: 2800 watt
Sensitivity 1w/1m: 102.5 dB
Max SPL, calc. long term: 131 dB
Max SPL, peak: 137 dB
Frequency response +/-3dB: 75 Hz-20 kHz
Dispersion angle:
  90 x 55 degree rotatable horn
Nominal impedance: 4 ohm
Recommended High Pass filter:
  100Hz (24dB/octave)
Recommended controller: Mach M20.06
Recommended amplifier: 1000 watt in 4 ohm

Drive units:
Woofer: 2 x 12" with an interleaved sandwich voice coil
Nominal impedance: 4 ohm (2 pcs)
Powerhandling AES:700 watt (2 pcs)
Sensitivity 1w/1m:102.5 dB
Max SPL, calc. long term:131 dB
Max SPL, peak:137 dB
Recommended amplifier:1000 watt in 4 ohm

Compression driver: 3" diaphragm, 2" throat
Nominal impedance: 16 ohm
Power handling AES: 150 watt
Sensitivity 1w/1m: 110 dB
Max SPL, calc. long term: 132 dB
Max SPL, peak: 138 dB
Recommended High Pass filter: 100 Hz (24dB/octave) or higher
Recommended crossover freq:
  1500Hz/24dB/oct
Recommended controller:
  Mach M20.06
Recommended amplifier:
  200 watt in 16 ohm
Dimensions (HxWxD):
  106x43x35 cm
  (41.7x17x14 in)
Net weight: 45 kg (99 lbs)
Finish: Black SafeCoat coating with other colors optional
Grille: 2 mm steel with foam backing
Input connectors:2 x Speakon® NL4 and barrier strip terminals
Rigging hardware: Included eyebolts

Mach Speaker System

Installation Subwoofers
Mach Speaker System

Constructed for heavy-duty use in professional environments, the subwoofers in the C-range are designed with a 3rd order Bandpass principle that gives up to 3 dB higher output compared to reflex-loaded designs. In addition to improving the output from a compact cabinet, the symmetrical loading chamber also helps to control the excursion of the cone, thus improving reliability by making the drive units less dependent on amplifier control. The built-in crossover makes the subwoofers a perfect solution in combination with the Ci-speakers and the smaller CN models. Moreover, the CW series features several flying points allowing for flexible and discrete positioning. An optional mounting bracket provides the installer with a total solution.

CW110F
Power rating IEC268: 100 watt per voice coil.
Total system: 200W
Power rating peak: 400 watt.
  Total system: 800W
Sensitivity 1w/1m: 93 dB
Max SPL, calc. long term: 113 dB
Max SPL, peak: 119 dB
Frequency range +/-3dB: 40-150 Hz
Nominal impedance: 8ohm per voice coil
Recommended amplifier: For each voice coil:
  one voice coil and one Ci6=225W in
  4 ohm run through built-in crossover
Dimensions (HxWxD):
  22x45x47.5cm
  (8.6x17.7x18.7 in)
Net weight:17 kg (37 lbs)
Finish: 19mm MDF with black Safecoat coating
Grille: 2mm steel with foam backing
Input connectors: Barrier strips input and output for satellite speakers
Rigging hardware: Eyebolts, mounting bracket

CW112F
Power rating IEC268: 150 watt per voice coil. Total system: 300W
Power rating peak: 600 watt. Total system: 1200W
Sensitivity 1w/1m: 95 dB
Max SPL, calc. long term: 117 dB
Max SPL, peak: 123 dB
Frequency range +/-3dB: 38-150 Hz
Nominal impedance: 8ohm per voice coil
Recommended amplifier: For each side:
  one voice coil and one Ci8 = 390W in
  4 ohm run through built-in crossover
Dimensions (HxWxD):22x66.5x47.5cm
  (8.6x26.2x18.7 in)
Net weight:20 kg (44 lbs)
Finish: 19mm MDF with black Safecoat coating
Grille: 2mm steel with foam backing
Input connectors: Barrier strips input and output for satellite speakers
Rigging hardware: Eyebolts, mounting bracket

CW112C
Power rating IEC268: 150 watt per voice coil. Total system: 300W
Power rating peak: 600 watt. Total system: 1200W
Sensitivity 1w/1m: 95 dB
Max SPL, calc. long term: 117 dB
Max SPL, peak: 123 dB
Frequency range +/-3dB: 35-150 Hz
Nominal impedance:8ohm per voice coil
Recommended amplifier: For each side:
  one voice coil and one Ci8 = 390W in 4
  ohm run through built-in crossover
Dimensions (HxWxD):
  58x58x36.5cm
  (22.8x22.8x14.4 in)
Net weight: 23 kg (51 lbs)

Finish: 19mm MDF with black Safecoat coating
Grille: 2mm steel with foam backing
Input connectors: Barrier strips input and output for satellite speakers
Rigging hardware: Eyebolts, mounting bracket

M151i
Woofer: 15"
Nominal impedance: 8 ohm
Power rating AES: 400 watt
Power rating, peak: 1600 watt
Sensitivity 1w/1m: 100 dB
Maximum SPL, calculated: 126 dB
Maximum SPL, peak: 132 dB
Frequency range +/-3dB: 48 Hz-125 Hz
Recommended amplifier: 450 watt in 8 ohm
Dimensions (HxWxD):
  60x46x50 cm
  (24x18x20 in)
Weight: 37 kg (82 lbs)
Grille: 2 mm steel
Input connectors: 2 x Speakon® NL4 and barrier strip terminals
Optional top-hat adapter: 35 mm diameter

M152i
Woofer: 2x15"
Nominal impedance: 4 ohm
Power rating AES: 800 watt
Power rating, peak: 3200 watt
Sensitivity 1w/1m: 102 dB
Maximum SPL, calculated: 131 dB
Maximum SPL, peak: 137 dB
Frequency range +/-3dB: 50 Hz-130 Hz
Recommended amplifier: 1600 watt in 4 ohm
Dimensions (HxWxD):
  92x46x62 cm
  (36x18x24 in)
Weight: 70 kg (154 lbs)
Finish: Black SafeCoat coating
Grille: 2mm steel
Input connectors: 2 x Speakon® NL4 and barrier strip terminals

M182i
Woofer: 2x18"
Nominal impedance: 4 ohm
Power rating AES: 1200 watt
Power rating, peak: 4800 watt
Sensitivity 1w/1m: 101dB
Maximum SPL, calculated: 132 dB
Maximum SPL, peak: 138 dB
Frequency range +/-3dB: 45 Hz − 120 Hz
Recommended amplifier: 1700 watt in 4 ohm
Dimensions (HxWxD):
  105x53x70 cm
  (41x21x28 in)
Weight: 96 kg (121 lbs)
Finish: Black SafeCoat coating
Grille: 2 mm steel
Input connectors: 2 x Speakon® NL4 and barrier strip terminals

Mach Speaker System

Installation In-built
Mach Speaker System

For recessed applications, the MIW62i and the MIW66 have been designed for discrete placement and easy mounting in areas where hi-fi like in-fill sound is required. The MIW62i comes as a ready-to-install and individually packed product including steel mounting fixture, screws and instructions. Used with normal amplifiers (parallel and serially connected), the MIW62i combines fine hi-fi-like sound with a naturally stylish and compact design. When used with the Mach 100/70 volt line module, it becomes even more versatile for background sound in large venues, conference halls, department stores, etc. The MIW 66 features a built-in 70/100 v module and includes a 6 step variable output volume. With its numerous features the MIW66 is an extremely flexible product suitable for a wide range of install applications where a wall or ceiling features a cavity.

The CS5, CS6 and CS8 is a series of recess ceiling speakers for multi purpose applications. The series consists of 3 coaxial speakers in the size of 5, 6 and 8 inches with a built-in 100V transformer with 8 ohms option. With up to four individual power settings in 100V mode, the CS5, CS6 and CS8 are extremely flexible, suiting a wide range of applications from clubs, bars, restaurants to retail applications and more.

MIW62i
Power rating IEC268: 50 watt
Power rating program: 140 watt
Frequency range +/- 3dB: 80-20Hz
Frequency range +/-10dB: 70-21Hz
Max SPL: 107dB
Sensitivity 1W/1m: 88dB
Nominal impedance: 8 ohm
LF driver 61/2"
HF unit: 1" dome
Dispersion: 150x150 degrees
Flying system: Ceiling frame
Dimensions (HxWxD):
   31 x 22 x 9 cm
   (12 x 9 x 3.5 in)
Weight: 3 kg (6.6 lbs)

MIW66
Power rating IEC268: 50 watt
Sensitivity 1w/1m: 88 dB
Max SPL, calc. long term: 107 dB
Max SPL, calc. short term: 111 dB
Frequency range +/-10dB: 80 Hz-20 kHz
Dispersion angle: 90 degrees
Nominal impedance: 8 ohm
Outside Dimensions (HxWxD):
   22 x 30.7 x 12.7cm
   (8.7 x 12.1 x 5 in)
Cutout Dimensions (HxWxD):
   18.7 x 27 x 12.7cm
   (7.4x10.6x5 in)
Net weight: 2.6 kg (5.7 lbs)
Finish: ABS
Grille: Aluminum
Flying system: Ceiling frame
Mounting diameter:
   27.1 x 18.8cm (10.6x7.4 in)

CS5
Power rating IEC268: 30 watt
Power rating peak: 120 watt
Recommended amplifier: 40 watt/100V
Frequency range +/- 3dB: 80Hz-20KHz
Frequency range +/-10dB: 55 -20 KHz
Sensitivity 1w/1m: 89 dB
Dispersion angle: 90 degrees
Nominal impedance: 8 ohm
Woofer: 5"
Tweeter: 3/4"
Flying system: Built-in mounting system
Dimensions (HxØ):
   14 x 21.5cm
   (5.51 x 8.46in)
Net weight: 1.5 kg (3.3 lbs)
Grille: Aluminum
Mounting diameter: 18.5cm (7.3 in)
Finish: White ABS

CS6
Power rating IEC268: 45 watt
Power rating, peak: 180 watt
Recommended amplifier: 65 watt/100V
Frequency range +/- 3dB: 60Hz- 20KHz
Frequency range +/- 10dB: 45Hz-20KHz
Sensitivity 1W/1m: 89 dB
Dispersion: 90 degrees
Nominal impedance: 8 ohm
Woofer: 6.5"
Tweeter: 3/4"
Flying system: Built-in mounting system
Dimensions (HxØ):
   17 x 24cm
   (6.69 x 9.45in)
Net weight: 2 kg (4.4 lbs)
Grille: Aluminum
Mounting diameter: 21cm (8.3 in)
Finish: White ABS

CS8
Power rating IEC268: 55 watt
Power rating, peak: 220 watt
Recommended amplifier: 85 watt/100V
Frequency range +/- 3dB: 55Hz-20 KHz
Frequency range +/- 10dB: 40Hz-20KHz
Sensitivity 1W/1m: 91 dB
Dispersion angle: 90 degrees
Nominal impedance: 8 ohm
Woofer: 8"
Tweeter: 1"
Dimensions (HxØ):
   21cm x 28cm
   (8.27x11.02in)
Net weight: 2.8 kg (6.2 lbs)
Grille: Aluminum
Mounting diameter: 24.9cm (9.8 in)
Finish: White ABS

Mach Speaker System

Installation Tweeter clusters
Mach Speaker System

The Mach Tweeter clusters have been developed for use in permanent installations and provide very high levels of high frequency sound reinforcement for high-energy dance clubs.

The CTW1 inverted diamond shaped configuration delivers optimized 360° horizontal high frequency dispersion when mounted directly over a dance floor and has four extremely high frequency bullet tweeters.

The CTW2 configuration delivers optimized 180° horizontal high frequency dispersion from a mounting location adjacent to or on full-range systems and features four extremely high frequency bullet tweeters.

CTW1

Power rating IEC268: 200 watt
Power rating, peak: 800 watt
Sensitivity 1w/1m: 107 dB
Max SPL, calculated long term: 130 dB
Max SPL, peak: 136 dB
Frequency range +/-3dB: 6 kHz-16kHz
Built-in high pass crossover:
  6 kHz, 18 dB/octave
Dispersion angle avg: 360x45 degrees
Baffle angle: 45 degrees
Nominal impedance: 8 ohm
Dimensions (HxWxD):
  21x30x30 cm
  (8.3x11.8x11.8 in)
Net weight: 9.1 kg (20 lbs)
Finish: 1.5 mm black powder coated steel
Input connectors: Speakon® NL4
Rigging hardware: Top mounted M8
  eyebolt

CTW2

Power rating IEC268: 200 watt
Power rating, peak: 800 watt
Sensitivity 1w/1m: 107 dB
Max SPL, calculated long term: 130 dB
Max SPL, peak: 136 dB
Frequency range +/-3dB: 6 kHz-16kHz
Built-in high pass crossover:
  6 kHz, 18 dB/octave
Dispersion angle avg: 180x45 degrees
Baffle angle: 45 degrees
Nominal impedance: 8 ohm
Dimensions (HxWxD):
  21x30x30 cm
  (8.3x11.8x11.8 in)
Net weight: 9.1 kg (20 lbs)
Finish: 1.5 mm black powder coated steel
Input connectors: Speakon® NL4
Rigging hardware: Top mounted M10
  eyebolt

Mach Speaker System

Installation Accessories
Mach Speaker System

The custom designed accessories for the Mach installation series are designed to make the installation as easy and safe as possible. All speakers are supplied as a total solution with the most utilized bracket included in the box with every speaker. Various optional mounting brackets are also available for the C-range as well. These brackets are very versatile and can be used for many types of wall and ceiling installations.

For some installations, especially of the larger speakers in the C-range, the ideal way to mount the speaker is by hanging the cabinet in a wire and attaching the wire to the speaker with eyebolts. The certified load for the standard Mach eyebolt is 4000 kg (8800 lbs).

To assist a thorough acoustic system design, Mach offers an attractive licence on the ULYSSES simulation program, which comes with a complete Mach database. ULYSSES calculates SPL, coverage, speech intelligibility and much more."

Each C-range speaker has a variety of mounting options. The most utilized bracket is included in every box as standard. Various optional mounting brackets are also available for the C-range. The table below lists the mounting accessories available for each speaker.

Product	Placement			
	Wall	**Ceiling**	**Floor**	**Truss**
CI4	Included Mach TF bracket Included steel bracket	Included Mach TF bracket Included steel bracket	N.A.	N.A.
CI6	Included Mach TF bracket Included steel bracket	Included Mach TF bracket Included steel bracket	N.A.	N.A.
CI8	Included Mach TF bracket Included steel bracket Optional HD bracket	Included Mach TF bracket Included steel bracket Optional HD bracket	N.A.	N.A.
CN7	Included U-bracket Optional Multibracket	Included U-bracket Optional Multibracket Optional eyebolts	N.A.	Half-coupler (wall, ceiling)
CN8	Included U-bracket Optional Multibracket	Included U-bracket Optional Multibracket Optional eyebolts	N.A.	Half-coupler (wall, ceiling)
CN12	Included U-bracket Optional Multibracket	Included U-bracket Optional Multibracket Included eyebolts	Possible	Half-coupler (wall, ceiling)
CM7	Included U-bracket Optional Multibracket	Included U-bracket Optional Multibracket Optional eyebolts	N.A.	Half-coupler (wall, ceiling)
CM9	Included U-bracket Optional Multibracket	Included U-bracket Optional Multibracket Optional eyebolts	N.A.	Half-coupler (wall, ceiling)
CM12	Included U-bracket Optional Multibracket	Included U-bracket Optional Multibracket Included eyebolts	Possible	Half-coupler (wall, ceiling)
CM15	Optional Mounting bracket	Included eyebolts	Possible	Half-coupler (wall, ceiling)
CM18	Optional Mounting bracket	Included eyebolts	Possible	Half-coupler (wall, ceiling)
CW110F	Optional Mounting bracket	Optional eyebolts	Ideal	Half-coupler (wall, ceiling)
CW112F	Optional Mounting bracket	Optional eyebolts	Ideal	Half-coupler (wall, ceiling)
CW112C	Optional Mounting bracket	Optional eyebolts	Ideal	Half-coupler (wall, ceiling)
M151i	N.A.	N.A.	Ideal	N.A.
M152i	N.A.	N.A.	Ideal	N.A.
M182i	N.A.	N.A.	Ideal	N.A.

Mach Speaker System

Touring Long-Throw
Mach Speaker System

The Touring series consists of two different product types. The SlingShot models with a 55x35 degree coverage pattern for long-throw applications. The T models with a 55x45 degree coverage pattern for medium-throw applications. Both types maintain the same horizontal dispersion, but the T-models have a wider dispersion in the vertical plane. In addition, the same 2" driver is used in all models. They therefore work excellently as a family with SlingShot as FOH and the T-models as down-fill, stage- and side-fill or delay. The M20.06 features pre-set programs for all models in active as well as passive mode.

There are two main applications for the SlingShot models: a ground stacked system consisting of the MS1262 top-box and the MS118 bass unit, and a flown system consisting of the MS1262, the MS15X2 fly-bass and the Ballister Sub.

MS1262 "SlingShot" consists of a 12" low-mid unit, a 6" high-mid unit and a 2" HF unit. The hornflare holds all three drive units in one time-alligned assembly. All drivers in the MS1262 operate more than an octave beyond the frequency range in which they are engaged. The result is excellent impulse performance throughout the frequency range, remarkable head-room and very low power compression.

MS15X2
As a dedicated fly-bass unit, MS15X2 is designed to support the MS1262 in outdoor or large indoor cluster applications where more dispersion control is needed in the critical mid-bass area.MS15X2 is a horn-loaded dual 15" unit with two specially developed low-mid devices. They are lightly loaded with a compression ratio of 3:2 by the Mach WaveShaper. The cabinet is similar to the MS1262 cabinet, allowing both units to be flown in the same cluster.

MS118
The MS118 is designed to work as bass unit together with the MS1262 top-box. It is a single 18" horn loaded bass unit, built around a 5" voice-coil. The horn loading is fully symmetrical thus applying a uniform air pressure throughout the diaphragm surface. The MS118 is designed as a half horn. When paired with a second MS118, it forms a double-sided horn with extended sub frequency response and improved throw. MS118 features an integrated flying system.

Ballister Sub
The Ballister Sub is designed to work as sub in the 5-way MS1262/MS15X2 SlingShot system. The ballister combines high output with a low-Q design. Cooling and coil design of the 18" woofer builds on new techniques and materials such as carbon fibre. Power handling is a solid 1kW AES. The woofer weighs in at only 10 kg and keeps the weight of the Ballister Sub to a low 72kg.

MS1262

12"
- Power rating AES: 350 watt
- Power rating peak: 1400 watt
- Sensitivity 1w/1m: 106 dB
- Max SPL, calculated long term: 135 dB
- Max SPL, peak: 141 dB
- Frequency range +/-3dB: 160 Hz - 2 kHz
- Nominal impedance: 8 ohm
- Recommended amplifier: 700 watt in 8 ohm

6 1/2"
- Power rating AES: 125 watt
- Power rating peak: 500 watt
- Sensitivity 1w/1m: 106 dB
- Max SPL, calculated long term: 135 dB
- Max SPL, peak: 141 dB
- Frequency range +/-3dB: 600 Hz - 8kHz
- Nominal impedance: 8 ohm
- Recommended amplifier: 250 watt in 8 ohm

2"
- Power rating AES: 140 watt
- Power rating peak: 560 watt
- Sensitivity 1w/1m: 108 dB
- Max SPL, calculated long term: 135 dB
- Max SPL, peak: 141 dB
- Frequency range +/-3dB: 800 Hz - 20kHz
- Nominal impedance: 16 ohm
- Recommended amplifier: 280 watt in 16 ohm

- Dimensions (HxWxD) 820x590x725mm (32x23x28.5 in)
- Weight: 68 kg (149 lbs)
- Flying system: Flying tracks accept double stud
- Finish: Black SafeCoat coating
- Grille: 2 mm steel with foam backing
- Input connectors: 2 x Speakon® NL 8
- Rigging hardware: Double Stud & Ring

MS15X2
- Low/mid unit: 2x15" with 4" voice coil
- Nominal impedance: 4 ohm (2 pcs.)
- Power handling AES: 900 watt (2 pcs.)
- Power handling peak: 3600 watt (2 pcs.)
- Sensitivity 1w/1m: 105 dB
- Maximum SPL, calculated: 135 dB
- Maximum SPL, peak: 141 dB
- 1400 watt in 4 ohm
- Dimensions (HxWxD) 820x590x725mm (32x23x28.5 in)
- Weight: 68 kg (149 lbs)

- Flying system: Flying tracks accept double stud
- Finish: Black SafeCoat coating
- Grille: 2 mm steel with foam backing
- Input connectors: 2 x Speakon® NL 8
- Rigging hardware: Double Stud & Ring

BALLISTER SUB
- Woofer:18"
- Power handling, AES: 1000 watt
- Power handling, peak: 4000 watt
- Sensitivity 1w/1m: 105dB
- Impedance: 8 ohm
- Maximum SPL, continuous: 135 dB
- Maximum SPL, peak: 141 dB
- Frequency range +/-3dB: 49-160 Hz
- Frequency range +/-3dB (8 pcs.): 39-160Hz
- 1400 watt into 8 ohm
- Dimensions (HxWxD) 93,6x59x83 / (36.9x23.2x32.7 in)
- Weight: 72 kg / (158 lbs)
- Finish: Black SafeCoat coating
- Grille: 2 mm. steel with foam backing
- Input connectors: 2 x recessed Speakon® NL8

MS118
- Power rating AES: 600 watt
- Power rating peak: 2400 watt
- Sensitivity 1w/1m: 103 dB
- Frequency range +/-3dB: 59-380 Hz
- Nominal impedance: 8 ohm
- Recommended amplifier: 1200 watt in 8 ohm
- Maximum SPL, calculated long term: 132 dB
- Maximum SPL, peak: 138 dB
- Weight & Measurements:
- Dimensions (HxWxD): 675x590x725mm (26.5x23x28.5 in)
- Weight: 65 kg (143 lbs)
- Flying system: Flying tracks accept double stud
- Finish: Black SafeCoat coating
- Grille: 2 mm steel with foam
- Input connectors: 2 x Speakon® NL 8 with link
- Rigging hardware: Double Stud & Ring

Mach Speaker System

Touring Medium-Throw
Mach Speaker System

The models in the Mach medium-throw Touring Series have been developed to suit the demands of professional rental companies. Specially developed drive units and horns have been designed specifically for each model. The woofers feature strong road proven die-cast chasses, large coils and excellent cooling systems. The custom designed horn features the WaveShaper technology which reduces eddy current at the flare exit as well as improving throw and clarity and offering excellent dispersion control. A special hornflare composite material combines stiffness with high inner damping. All medium throw Touring models come with our modular passive crossover which can be switched to active mode. The cabinets are made of the finest 18mm, 13-ply Finnish birch, cut on CNC machines, assembled by trained Danish carpenters and treated with our SafeCoat, a highly scratch resistant, UV stable polyurethane/polyurea coating. The cabinets feature integrated handles and a fast and flexible flying system.

All models have been designed with a specific use in mind.

The M12T is a typical professional AV production speaker with compact size and extraordinarily good speech intelligibility. M12T offers excellent bass reproduction down to 50 Hz and features an integrated top-hat adapter.

Designed as a dedicated top-box, M14T is an ultra compact, loud and light weight, speaker designed for high quality live sound reinforcement, or as front-fill or delay for FOH system.

M15T is a strong full range speaker mainly designed for applications where the use of a subwoofer is not practical i.e. sport halls, stadiums and multi purpose halls. The solid bass response of the M15T also makes it ideal as full range FOH speaker for smaller bands. M15T features a top-hat adapter.

M30T is a dedicated top-box designed to work with the M182T subwoofer in live or very loud play back applications. M30T offers very high output from a front loaded design, no less than 103.5 dB at 1W/1m. The output is achieved by applying two special 15" units, which are designed not as woofers, but as low-mid units. They feature short coils and a very light weight engine with excellent cooling of the coil that enables the M30T to combine the advantages of high output and excellent clarity. A transport dolly is available for the M30T.

M12T
- Power rating IEC268: 420 watt
- Power rating Peak: 1680 watt
- Sensitivity 1w/1m: 97 dB
- Max SPL, calculated long term: 125 dB
- Max SPL, peak 131 dB
- Frequency range +/-3dB: 57 Hz - 20 kHz
- Nominal impedance: 8 ohm
- Recommended amplifier: 600 watt in 8 ohm
- Dimensions (HxWxD) 61x46x39 cm (24x18x15in)
- Weight: 34 kg (75 lbs)
- Flying system: Flying tracks accept double stud
- Finish: Black SafeCoat coating
- Grille: 2 mm steel with foam backing
- Input connectors: 2 x Speakon® NL 4
- Top-hat adapter: 35 mm. diameter
- Rigging hardware: Double Stud & Ring

M14T
- Power rating IEC 268: 450 watt
- Power rating Peak: 1800 watt
- Sensitivity 1w/1m: 102db
- Max SPL, calculated long term: 132 db
- Max SPL, peak: 138 db
- Frequency range +/-3db: 65Hz – 20 kHz
- Nominal impedance: 8 ohm
- Dispersion: 55x45 degree
- Recommended amplifier: 650 watt in 8 ohm
- Woofer: 15" with 3" voice coil
- Compression driver: 3" diaphragm, 2" throat
- Dimensions (HxWxD): 67x46x39 cm (31x23x22,5 in)
- Weight: 31 kg (68.2 lbs)

M15T
- Power rating IEC268: 490 watt
- Power rating Peak: 1960 watt
- Sensitivity 1w/1m: 97 dB
- Max SPL, calculated long term: 125 dB
- Max SPL, peak 131 dB
- Frequency range +/-3dB: 47 Hz - 20 kHz
- Nominal impedance: 8 ohm
- Recommended amplifier: 700 watt in 8 ohm
- Dimensions (HxWxD) 79x59x57 cm (31x23x22.5in)
- Weight: 42 kg (92.5 lbs)
- Flying system: Flying tracks accept double stud
- Finish: Black SafeCoat coating
- Grille: 2 mm steel with foam
- Input connectors: 2 x Speakon® NL 4
- Top-hat adapter: 35 mm diameter
- Rigging hardware: Double Stud & Ring

M30T
- Power rating IEC268: 840 watt
- Power rating Peak: 3360 watt
- Sensitivity 1w/1m: 103 dB
- Max SPL, calculated long term: 134 dB
- Max SPL, peak 140 dB
- Frequency range +/-3dB: 62 Hz - 20 kHz
- Nominal impedance: 4 ohm
- Recommended amplifier: 1200 watt in 4 ohm
- Dimensions (HxWxD) 109x59x57 cm (43x23x22.5in)
- Weight: 70 kg (154 lbs)
- Flying system: Flying tracks accept double stud
- Finish: Black SafeCoat coating
- Grille: 2 mm steel with foam backing
- Input connectors: 2 x Speakon® NL 4
- Rigging hardware: Double Stud & Ring

Mach Speaker System

Touring Subwoofers
Mach Speaker System

The M118T is a reflex loaded single 18" subwoofer designed for applications where deep and fast bass is needed from a compact enclosure. The M118T is a perfect subwoofer for Mach M12T, M14T, and M15T. The 18" woofer has a 4" interleaved sandwich voice coil and weather protected cone with a double silicon spider for improved excursion control and linearity. Double demodulating rings, and a unique basked design secure low distortion and improved heat dissipation.

As a dual 18" frontloaded subwoofer, the M218T is designed specifically to support the M14T or M30T. The M218T has been designed as a bass reflex cabinet. The woofers feature a 4" interleaved sandwich voice coil with windings on the outside as well as the inside of the voice coil former. The result is a balanced coil with uniform distribution of mass and motive energy that provides an extremely linear motor assembly. In addition, the motor features the use of double demodulating rings which nearly eliminate intermodulation and harmonic distortion while improving impulse and transient response. In order to achieve maximum strength and reliability, the diaphragm is reinforced with carbon fibre. The design of the basket offers excellent heat dissipation and thereby very low power compression.

M181T

- Power rating AES: 600 watt
- Power rating AES: 1000 watt
- Power rating, peak: 4000 watt
- Sensitivity 1w/1m: 99.5 dB
- Frequency range +/-3dB: 40 Hz- 400 Hz
- Nominal impedance: 8 ohm
- Recommended amplifier: 1400 watt in 8 ohm
- Maximum SPL, calculated long term: 130 dB
- Maximum SPL, peak: 136 dB
- Dimensions (HxWxD): 59x59x65 cm (23x23x26 in)
- Weight: 44 kg (96.8 lbs)
- Flying system: Flying tracks accept double stud
- Finish: Black SafeCoat coating
- Grille: 2mm steel with foam
- Input connectors: 2 x Speakon® NL 4 with link
- Optional top-hat adapter: 35mm diameter
- Rigging hardware: Double Stud & Ring

M218T

- Power rating AES: 2000 watt
- Power rating peak: 8000 watt
- Sensitivity 1w/1m: 102 dB
- Frequency range +/-3dB: 42-250 Hz
- Nominal impedance: 4 ohm
- Recommended amplifier: 2850 watt in 4 ohm
- Maximum SPL, calculated long term: 135 dB
- Maximum SPL, peak: 141 dB
- Dimensions (HxWxD) 105x59x72.5 cm (41x23x28.5 in)
- Weight: 76 kg (167 lbs)
- Flying system: Flying tracks accept double stud
- Finish: Black SafeCoat coating
- Grille: 2 mm steel with foam backing
- Input connectors: 2 x Speakon® NL 8
- Rigging hardware: Double Stud & Ring

Mach Speaker System

Touring Stage Monitors
Mach Speaker System

The M1201T is a compact stage monitor designed for medium output applications such as television studios and others where compact size and clarity is required. It is equipped with a 12" low-mid device with a 3" voice coil that features excellent midrange performance and a very flat frequency response. The compression driver features a 1 3/4" voice coil mounted on a custom designed 1" horn with a highly controlled coverage of 40x60 degrees. The horn is made of a special composite that offers excellent mechanical stability and very low resonance. The compression driver features a lightweight diaphragm and has an output of no less than 107 dB, equal to many 2" compression drivers. The component thereby combines good headroom with an extended frequency response to 19 kHz.

The symmetrically designed cabinet allows the M1201T to be used as left or right side monitor on stage. The M1201T is equipped with a top-hat adapter, a boot proof 1.5mm steel grille and a large metal handle.

M1502T is a strong full-range stage monitor designed for applications where high output and large headroom is required. It is equipped with a 15" woofer with a 4" voice coil with a linear excursion of +- 11mm. The compression driver has a 3" titanium voice coil mounted on a 2" constant directivity horn with a 40x60 degree coverage pattern. The compression driver combines very flat frequency response with high output, low distortion and excellent mechanical stability.

The symmetrically designed cabinet allows the M1502T to be used as left or right side monitor on stage. M1502T is equipped with an integrated flying system for maximum flexibility, a boot proof 1.5mm steel grille and two large metal handles.

The SP12 is a low profile stage monitor ideal for stage, TV and theatre applications. It is equipped with two 12" woofers with 3" voice coils. The compression driver features a 3" voice coil mounted on a custom designed 2" horn with a highly controlled coverage of 45x45 degrees. A narrow dispersion pattern gives the SP12 a perfect and true vocal performance while a damped enclosure allows a powerfully clean bass output. The symmetrically designed cabinet allows the SP12 to be used as left or right side monitor on stage.

M1201T

- Power rating IEC268: 315 watt
- Power rating peak: 1260 watt
- Sensitivity 1w/1m: 99 dB
- Max SPL, calculated long term: 124 dB
- Frequency range +/-3dB: 90 Hz - 18 kHz
- Nominal impedance: 8 ohm
- Recommended amplifier:
  450 watt in 8 ohm
- Dimensions (HxWxD)
  43x60x48 cm (16.9x23x18.9 in)
- Weight: 19 kg (38 lbs)
- Finish: Black Mach SafeCoat coating
- Grille: 2 mm steel with foam backing
- Input connectors: 2 x Speakon® NL4
- Top-hat adapter: 35 mm. diameter

M1502T

- Power rating IEC268: 490 watt
- Power rating peak: 1960 watt
- Sensitivity 1w/1m: 97 dB
- Max SPL, calculated long term: 125 dB
- Max SPL, peak 131 dB
- Frequency range +/-3dB: 55 Hz - 16 kHz
- Nominal impedance: 8 ohm
- Recommended amplifier:
  700 watt in 8 ohm
- Dimensions (HxWxD)
  42x70x55 cm (16.5x27.5x21.5 in)
- Weight: 36 kg (79 lbs)
- Flying system: Flying tracks accept
  double stud
- Finish: Black SafeCoat coating
- Grille: 2 mm steel with foam
- Input connectors: 2 x Speakon® NL 4
- Rigging hardware: Double Stud & Ring

SP12

- **Drive units:**
Woofer: 2x12" with 3" voice coil
- Nominal impedance: 4 ohm
- Powerhandling AES: 700 watt
- Sensitivity 1w/1m: 100 db
- Max SPL, calculated long term: 128 dB
- Max SPL, peak: 134 dB
- Recommended amplifier: 1000 watt
Compression driver: 3" diaphragm,
2" throat
- Nominal impedance: 8 ohm
- Power handling: 140 watt
- Sensitivity 1 w/1m: 111 dB
- Max SPL, calculated long term: 132 dB
- Max SPL, peak: 138 dB
- Recommended amplifier: 200 watt
- Recommended crossover freq:
  1200 Hz
- Frequency response with M20.06 controller: 50 Hz-20kHz
- Dimensions(HxWxD):
  40x70x47 cm
  (15.7x27.6x18.5 in)
- Weight: 34 kg (74.8 lbs)
- Finish: Black SafeCoat coating
- Input connectors: 2 x Speakon® NL4
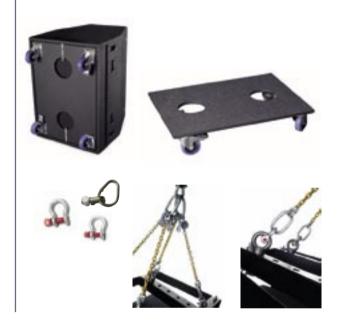
Mach Speaker System

Touring Accessories
Mach Speaker System

A customized range of flying gear and accessories is available for Mach Touring products.

A 2-wide and 3-wide flying bar including all chains and shackles are available for the M12T, M14T, M15T, M30T and the SlingShot models. The Mach web page features a user-friendly program, which calculates the number of accessories needed to fly a given rig. All flying bars are fixed and the splay has been optimized by cluster measurements of polar plots.

In addition to the flying systems, speaker covers are available for all models. Protective transport dollies are available for the MS1262, MS15X2 and M30T. The dollies feature 100mm Guitel wheels and are made in 18mm ply, coated with the Mach SafeCoat.

In addition, high-quality Mach speaker cables are available in 2x4mm², 4x4mm² and 8x4mm². The Mach cables are made of oxygen free copper (OFC) and feature waterproof insulation. They are soft and easy to curl. Low sulfur content in the insulation ensures a minimum of oxidation and low capacitance allows for long cable runs.

A pole is available for mounting the M12T or M15T on top of the M118T subwoofer. Protective speaker covers are available for all touring products as well. And to assist a thorough acoustic system design, Mach offers an attractive license on the ULYSSES simulation program, which comes with a complete Mach database. ULYSSES calculates SPL, coverage, speech intelligibility and much more.

- **Flying bars**
  - M12T
  - M14T
  - M15T/M30T
  - SlingShot
- **Flying hardware**
  - Double 1T chain for flying bar:
  - 3,25T shackle (from chain to flying bar)
  - 1.5T shackle
    (from flying bar to double stud)
  - 0,5T shackle (between speakers)
  - Mach Unwin Double Stud & Ring
  - Wire strap with two Double Stud &
    (Between speakers)
- **Dollies**
  - M30T
  - MS1262/MS15X2 "SlingShot"
- **Speaker covers**
  - M12T
  - M14T
  - M15T
  - M30T
  - M218T
  - MS118
  - MS1262/MS15x2
  - Ballister Sub
- **Pole**
  - For top-hat adaptors, 80 cm
- **Speaker cables**
  - 2x4mm^2
  - 4x4mm^2
  - 8x4mm^2
- **ULYSSES license**

Mach Speaker System

M·Flex
Mach Speaker System

The M·Flex series is the next generation of professional moulded loudspeakers. They offer unique features such as;

• Built-in DSP circuitry that offers excellent limiting as well as excellent acoustic control in terms of crossover slopes, EQ'ing and delay.
• Bi-amplification technology with switch-mode power supply for reduced size and weight.
• Built-in mixer with two line inputs and a separate microphone input that can be mixed and linked separately.
• Active line driver enables infinite link of M·Flex boxes without signal loss.
• Automatic stand-by function.

The advanced amplifier technology features an active cooling system that allows the M·Flex speakers to be installed below ceilings without heat problems. The unique M·Flex 12 utilises a co-axial design to make it the most compact, lightweight and powerful moulded speaker on the market. And with a uniform dispersion pattern, the M·Flex 12 is also highly suitable for discrete, horizontal under-ceiling installations. Whether the application is live sound reinforcement, AV-Work, stage monitoring or spoken word performances, M·Flex will do the job. Comprehensive rigging and mounting options form an integrated part of the design.

M·Flex 12
- Power rating IEC 268:

  250 watt
+ 50 watt
- Power rating Peak:

1000 watt + 200 watt
- Sensitivity: 98dB
- Max SPL, calculated long term: 122 dB
- Max SPL, Peak 128 dB
- Frequency range +- 3dB:

  69Hz
— 20 KHz
- LF: 12"
- HF: 1"
- Dispersion: 110 x 110
- Flying: Yes
- Dimension: 50x39x32 cm (20x15x13in)
- Weight:-15 kg (33 lbs)

M·Flex 15
- Power rating IEC 268   310 watt + 60 watt
- Power rating Peak:1240 watt + 240W watt
- Sensitivity: 101 dB
- Max SPL, calculated long term:126 dB
- Max SPL, Peak: 132 dB
- Frequency range +- 3dB: 49Hz — 20 kHz
- LF: 15"
- HF: 1"
- Dispersion: 90 x 40
- Flying: Yes
- Dimensions: 67x48x40 cm (26x19x16in)
- Weight: 25 kg (55 lbs)

M·Flex Sub
- Power rating IEC 268:350 watt
- Power rating Peak:1400 watt
- Sensitivity:97dB
- Max SPL, calculated long term:123 dB
- Max SPL, Peak: 129 dB
- Frequency range +- 3 dB: 45Hz — 250Hz
- LF: 15"
- Flying:Yes
- Dimensions: 67x48x40 cm (26x19x16in)
- Weight: 25 Kg (55 lbs)

M·Flex 12XP:
- Power rating IEC 268: 250 watt
- Power rating Peak: 1000 watt
- Sensitivity 1w/1m: 97 db
- Max SPL, calculated long term: 121db
- Max SPL, peak: 127db
- Frequency range: +/-10db: 85Hz — 20 kHz
- Dispersion: 110x110 degree
- Dimensions (HxWxD): 50x39x32 cm (19,7x15,4x12,6 in)
- Weight: 15 kg (33 lbs)

M·Flex 15XP:
- Power rating IEC 268: 310 watt
- Power rating Peak: 1240 watt
- Sensitivity 1w/1m: 99 db
- Max SPL, calculated long term: 124db
- Max SPL, peak: 130db
- Frequency range: +/-10db: 57Hz — 20 kHz
- Dispersion: 90x40 degree
- Dimensions: 67x48x40 cm (26x19x16in)
- Weight: 25 kg (55 lbs)

M·Flex Sub-XP
- Power rating IEC 268: 310 watt
- Power rating Peak: 1240 watt
- Sensitivity 1w/1m: 98db
- Max SPL, calculated long term: 123db
- Max SPL, peak: 129db
- Frequency range: +/-10db: 48Hz — 440 kHz
- Low frequency transducer: 15"
- Dimensions: 67x48x40 cm (26x19x16in)
- Weight: 25 kg (55 lbs)

Mach Speaker System

M·Flex Accessories
Mach Speaker System

The M-Flex Matrix bar allows you to create M-Flex clusters and arrays. The brackets are made from aluminum and have been designed to fit both M-Flex 12's and M-Flex 15's.

Furthermore, a range of speaker covers is available for the M-Flex speakers. The M-Flex covers are made from polyester with a PVC-P coating. They are produced with a cutout for handles and a velcro lock on the back of the cover.

Mach Speaker System

Mach Controllers
Mach Speaker System

"There are two controllers in the Mach product range: the digital M20.04, which is designed primarily to operate the C-range series, and the digital M20.06 which has preset programs to operate all Mach models.

The Mach M20.04 is a one unit, state-of-the-art, loudspeaker management system. This digital circuitry is based on DSP technology and comes equipped with the latest 24-bit A-D and D-A converters. 200 pre-set programs ensure fast and easy set-up of Mach speaker systems with settings for all Mach speaker models. Each preset offers carefully optimized crossover points and slopes, polarity, delay, limit settings and EQ settings to fit the individual characteristics of each Mach loudspeaker exactly.

The Mach M20.06 is a one unit, state-of-the-art, loudspeaker management system, capable of operating all speakers in the Mach product range. This digital circuitry is based on BSS OMNIDRIVE® DSP technology and comes equipped with the latest 24-bit A-D and D-A converters. 50 pre-set programs ensure fast and easy set-up of Mach speaker systems with settings for all Mach speaker models. Each preset offers carefully optimized crossover points and slopes, polarity, delay, limit settings and EQ settings to fit the individual characteristics of each Mach loudspeaker exactly."

M20.04
- Dynamic Range: Typically 110 dB, unweighted 22 Hz to 22 kHz
- Noise Floor: 100 dBu (default gain set −10 dB)
- Frequency Response: @ <±0.1dB, 20 Hz-20 kHz with filters out
- THD: < 110dB
- Inputs: Electronically balanced & floating
- Impedance: 21 K ohm
- Maximum Input Level: +24 dBu, balanced
- Outputs: Electronically balanced & floating
- Maximum Output Level: +14 dBu
- Channel Separation: 100 dB, 20 Hz-20kHz
- Power supply: AC Mains 50/60 Hz, 100V-240V*
- Power consumption: 15 W

M20.06
- Dynamic Range: Typically 108dB, unweighted 22Hz to 22kHz
- Noise Floor: -98dBu (default gain set -10dB)
- Frequency Response: <±0.25dB, 15Hz-20kHz with filters out
- Distortion: <0.007%, 20Hz-20kHz @+10dBu input level
- Inputs: Electronically balanced & floating
- Impedance: 10 K ohm
- Maximum Input Level: +20dBu, balanced
- Outputs: Electronically balanced & floating
- Maximum Output Level: +10dBu into 600W
- Channel Separation: >80dB, 20Hz-20kHz
- Power Supply: AC Mains 50/60Hz, 90V - 264V
- Power Consumption: <30VA

Mach Speaker System

Accessories

King Dome

MAC Dome

Flight Cases

Clamps

Tools

Link Cables

Lamps

Colors

Gobos

Woodroffe Gobo Collection

King Dome
Accessories

The King Dome is a convenient, inflatable version of Martin's Outdoor Protection Dome, allowing Martin luminaries to be used outdoors, all year long and in any type of weather.

Made of sturdy, non-flammable PVC film with a solid base of ABS plastic, the King Dome is ideal for rental companies and events where easy transport and simple set-up and storage are essential.

IP 44 rated, the King Dome allows all the color, effects and movement possibilities of Martin luminaires to be utilized in any environment.

The King Dome is equipped with a unique safety device that cuts the power to the fixture in case of deflation. It is available in clear and in a 3 meter semi-transparent white envelope for use as a lightpipe effect.

Housing
- Inflatable dome
- Plastic molded base with a maximum load of 50 kg
- Full transparency to all sides and all angles
- Easy to stock, transport and setup
- Solid, reliable construction
- IP rating: IP 44

Base Measurements
- Diameter: 800 mm (31.5 in)
- Height: 250 mm (9.8 in)

Luminaire Specifications
- Maximum luminaire base dimension: 540 x 480 mm (21.2 x 18.9 in)
- Maximum weight: 50 kg (110 lbs)
- Maximum power consumption: 1200 W

AC Supply
- Built-in pressure sensor safety switch
- EU model: 230 V / 50 Hz
- US model: 120 V / 60 Hz

Construction
- Base: 5 mm ABS plastic
- Base finish: black, integral color
- Envelope: transparent 200my non-flammable PVC film
- Envelope Length: 80 cm
- Protection factor: IP 44

MAC Dome
Accessories

The MAC Dome allows a number of MAC luminaires to be used outdoors, all year long and in any type of weather.

With the MAC Dome, the MAC range's wide variety of application possibilities does not end at the front door. MAC Domes allow all the color, effects and movement of the MAC range to be used outside under the protection of a solid steel shell and hard acrylic dome.

Housing
- Construction: Sheet steel and alumimum base, ABS plastic sides,, acrylic top
- IP Rating: IP 44

Electrical
- Dome power and current: 105 W, 0.5 A at 230 V/50 Hz
- AC voltage and frequency: 230 V, 50-60 Hz

Measurements
- Diameter: 825 mm (32.5 in)
- Dome height: 1020 mm (40.1 in), weight: 52.5 kg (115.5 lbs)

Flight Cases
Accessories

In order to fully protect and conveniently transport Martin lights while on the move, a full range of durable flight cases are available.

Built to endure the rigors of the touring and rental market, these classic cases are manufactured from top-quality, water repellent 9 mm thick ply. The exterior is covered in a tough, black grained finish with 30 mm wide aluminum edge protection and tough steel corners.

Resilient roller castors are mounted to the base for easy roll-on/roll-out and convenient spring-back, steel carrying handles provide for easy grip and handling.

● **Available flight cases**
- MAC 2000 (1+2 units)
- MAC 500/600 (2 units)
- MAC 550 (2 units)
- MAC 250 Krypton/Entour/Wash
- MAC 250/300 (2 units)
- MiniMAC (2 units)
- Pro 400
- Pro 518
- Roboscan 918
- Exterior 600
- Maxxyz
- Light Jockey/ProScenium
- Magnum 2000
- Technofog
- ZR24/7
- ZR 33

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Clamps
Accessories

Martin clamps are manufactured from premium extruded aluminum, include a grade 8.8 M12 self-locking nut and bolt for maximum security and fasten to existing or new 1/4-turn Omega brackets. All clamps and brackets will soon come with TUV and SWL markings.

- **Martin half-coupler clamps**
  may be used with any product that accepts a standard clamp. They fit 48 to 51 mm (1 7/8 - 2 in) diameter truss and provide a large contact area for an excellent grip. Martin half-couplers mount fixtures close to the truss and cause minimal truss wear and tear. They are recommended for permanent installations and mount with a M12 bolt (included).

- **Martin G-clamps**
  may be used with any product that accepts a standard clamp and were specially designed for the Martin Omega-bracket. They fit 40 to 51 mm (1.5 to 2 in) diameter truss and their ribbed aluminum extrusion provides a grip better than steel. The wide elastically retracting clamp plate tightens securely without scratching. Martin G-clamps are low cost and mount with a M12 bolt (included).

- **Martin T-shape Omega Bracket and Quicktrigger clamp**
  Due to the many variations of truss systems and their differences which causes problems when designing a rig, we have designed the new T-shape Omega bracket and a new Quicktrigger clamp. Small in size, fast in mounting via the 1/4 turn bolts and easy grip handles. Martin Quicktrigger clamp is a modern universal clamp for truss sizes 38,1 - 51 mm Ø diam. 30 mm width to fit the standard omega brackets. It has a large easy-grip T handle, a M12 bolt and spring-loaded jaws. It makes flying fixtures faster, easier and saves down-time when fitting a truss-rig. It provides excellent grip and does not damage truss. Martin T-shape Omega bracket is adjustable and flexible when using the 1/4 turn bolts to fit the Martin bases. This bracket provides a fast, easy and secure way to attach Martin fixtures to clamps and truss.

Tools
Accessories

UV protection glasses
UV protection glasses protect the eyes against the dangerous UV radiation from a lamp source. All Martin fixtures are equipped with UV-filters to avoid exposure, however UV glasses can be essential in service/maintenance departments.

2 mm T-shaft allen key
This handy tool is very useful in service/maintenance departments when changing or adjusting color/gobo wheels and other effects.

Link/stepper driver tester
The Link Tester allows you to check the XLR serial link for problems quickly and easily. It also tests the stepper drivers used in Martin products. Both features make it extremely valuable for fast on-site troubleshooting.

Link Cables
Accessories

Martin DMX and color scroller cables are designed for RS-485/ data transmission. The Ethernet cables are CAT5 classified and all designed – with a focus on complete quality, as the cables are feeding our fixtures with information and vice versa when RDM comes into our business. All the cables are designed to last in today´s tough touring segment, as for low memory – , small bending radius, coiling resistant under a durable and thick outer flame retardant jacket. They also hold the necessary UL/IEC approvals for permanent installations. A new generation of cables for almost all applications within the entertainment and architectural business.

Specifications:
- Single and double pair: 22 AWG twisted pair, special strength members and an overall aluminum foil shield and overall braid shield
- Conductor: Tinned stranded copper 22 AWG
- Shields: 100% coverage aluminum foil, metal face out, 65% tinned copper braid. Assembled with special strength members
- Lengths: 400 Mtr – Martin optosplitter to be used when longer lengths are required.

Color changer cable
Flexible 1 data pair and 1 power pair cable designed for RS-485 data-transmission. Especially used for our Atomic Colors - color scroller and the external MPU in combination with the Atomic 3000 DMX

Specifications:
- Data: Stranded tinned copper - 22 AWG
- Power: Stranded tinned copper - 14 awg
- Shield - data pair: Aluminum foil - 100%

Ethernet cable - CAT5
- Rugged 4 pair - 26 AWG, flexible SFTP round patch cable acc. to ISO/IEC 11801 category 5
- 4 twisted pairs, cabled , overall double shielded
- Specs: Conductor: Stranded tinned copper 26 AWG
- Color codes acc. to EIA/TIA 568B
- Shields: Aluminum foil - 80% and tinned copper braid 80% coverage
- Strength members: Aramid and glass fiber - tape wrapped
- Lengths: 100 Mtr

Features:
Insulation material: Polyolefin
- Jacket: Flame retardant – FR-LSZH , black, nominal thickness 0,7 mm
- Approvals and flame propagation: UL1581 VW-1 (UL-CL2) and IEC 60332.1
- DC loop resistance 110-120 Ohm/Km max @ 20 deg. C
- Capitance: 40-45 pF/M nominal
- Impedance: 110-120 Ohm nominal
- Standard lengths available:
- 2,5,10,25 meter - with XLR/RJ45 connectors
- 100 Meter open lengths
- Other lengths on request

Ethercon converter for Ethernet cables
The Neutric feedthrough converter NE8FF is ideal for ethernet cables combining the martin ethernet equipment based around the Maxxyz controller, Ether2DMX box and Ether-switch. It facilitates the link cabling the boxes and controller together.
- Electrical bandwidth: 1-100 MHz
- Category: 5E

Mechanical:
- Retention method: Latch lock
- Compatible for use with 10 base-T and 100 base TX systems

Lamps
Accessories

Halogen Lamps	**Used in following:**
EFP 100W-12V / EFP 100W-12V Long life	Mania EF1, Mania DC1, Mania - DC2
ELC 250W-24 V /ELC 250W-24V Long life	EGO- 01, EGO-02, EGO-03, MX-1, Acrobat, T-Rex, CX-2, Raptor
Xenon Lamps (strobe)	**Used in following:**
MAX-7/MAX-15	Atomic
Discharge Lamps.	**Used in following:**
HMI 1200 W/S, MSI 1200 W/S	MAC 2000 series
MSD 575, MSR 575/2, HSR 575/2	MAC 600, MAC 500, PRO 918
HTI 400/ D3	MAC 550
MSD 200, MSD 250/2 , HSD 250	Mac 250, Mac 300, Mac 250+, Wizard, Mac 250 Krypton, Mac 250 Entour, MX 10, CX 10, RoboColor Pro 400
MSD 200	MiniMac Profile/Wash
HTI 150 / CSS 150	CX-4
CDM SA/T 150 W / HTI 150 W	MX-4
Arcstream 150	Minimac Profile/Wash
MVH 150	

Colors
Accessories

Martin lights are equipped with high quality dichroic color filters offering rich color projection.

Dichroic filter colors are nondegradeable so colors do not fade or burn out. Transmitted light is pure and saturated with high light transmission percentages so LD's can get just the look they want. They provide low dichroic edge distortion and eliminate unwanted colors and halation effects.

A large variety of different color options is available including the following Lee colors.

To view the full array of available colors, visit the Martin website at www.martin.com. For special color requests, contact your local Martin dealer.

Lee Equivalent Colors

# 2		# 152	
# 3		# 164	
# 20		# 172	
# 46		# 179	
# 48		# 180	
# 68		# 181	
# 71		# 182	
# 89		# 195	
# 101		# 196	
# 104		# 203	
# 105		# 205	
# 113		# 323	
# 116		# 328	
# 122		# 354	
# 124		# 363	
# 126		# 757	
# 128			
# 131			
# 141			

Gobos Accessories

Metal

Kaleidoscope

Bambus

Medium Dot

Worms

Milky Way

Splodge

Bricks

Threads

Fat Bar

4 Fan

Twisted Triangle

Sun

Brush Strokes

Lashes

Lotus

Radial Dashes

Animation Wheels

Dot Breakup

Spiral Breakup

Cloud Breakup

As visually important as color, gobo patterns can add dramatic or subtle effects to any projection surface. Martin offers a wide selection of unique gobos and gobo designs including lithographics, metal, fused and texture. Standard gobos fit any Martin fixture equipped to receive them.

The gobos featured here are just a small sample of what we have in stock. The Martin gobo selection includes all the most popular and useful designs and are always available for instant delivery. The complete selection of Martin gobos can be seen on the Martin homepage at www.martin.com

Fused

Blue Orange

Green Blue

Red

Texture

Fibroid

Limbo

Samba

Lithographics

3D Star

Alien Brain

Apollo

Banner

Chillie Willie

Congo Star

Whirlings

Molecular

Ninja Blade

Paint Mix
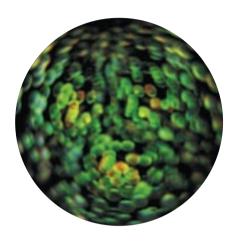
Jet Fan

Pipe Dreams

Accessories

The Woodroffe
gobo collection
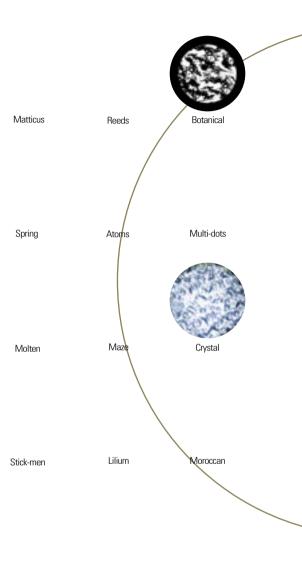
"Our aim in designing a new set of gobos for the MAC 2000 Profile, was to give a new lease of life to a well-loved and familiar fixture, and in doing so, allow designers to rediscover its potential.

We were determined that each gobo had to work on its own merits, either as a simple projection or as a kinetic effect when looking back down the light. The three-dimensional depth and mesmeric effects as the designer combines different gobos in their various permutations should be seen as a bonus!

Nature and architecture have been constant inspirations in the choice of images, but we have been surprised at how, under certain conditions of focus and zoom, one element has so easily taken on such a different form, mood and appearance.

In designing the gobos we have been mindful of the need for the images to work for a variety of disciplines and designers - for theatre, for television, for live performance and for installations. I hope that there is something here for everyone."

Patrick Woodroffe & Adam Bassett

Matticus

Reeds

Botanical

Spring

Atoms

Multi-dots

Molten

Maze

Crystal

Stick-men

Lilium

Moroccan

Quintuple

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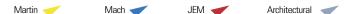
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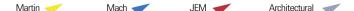
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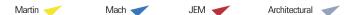
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